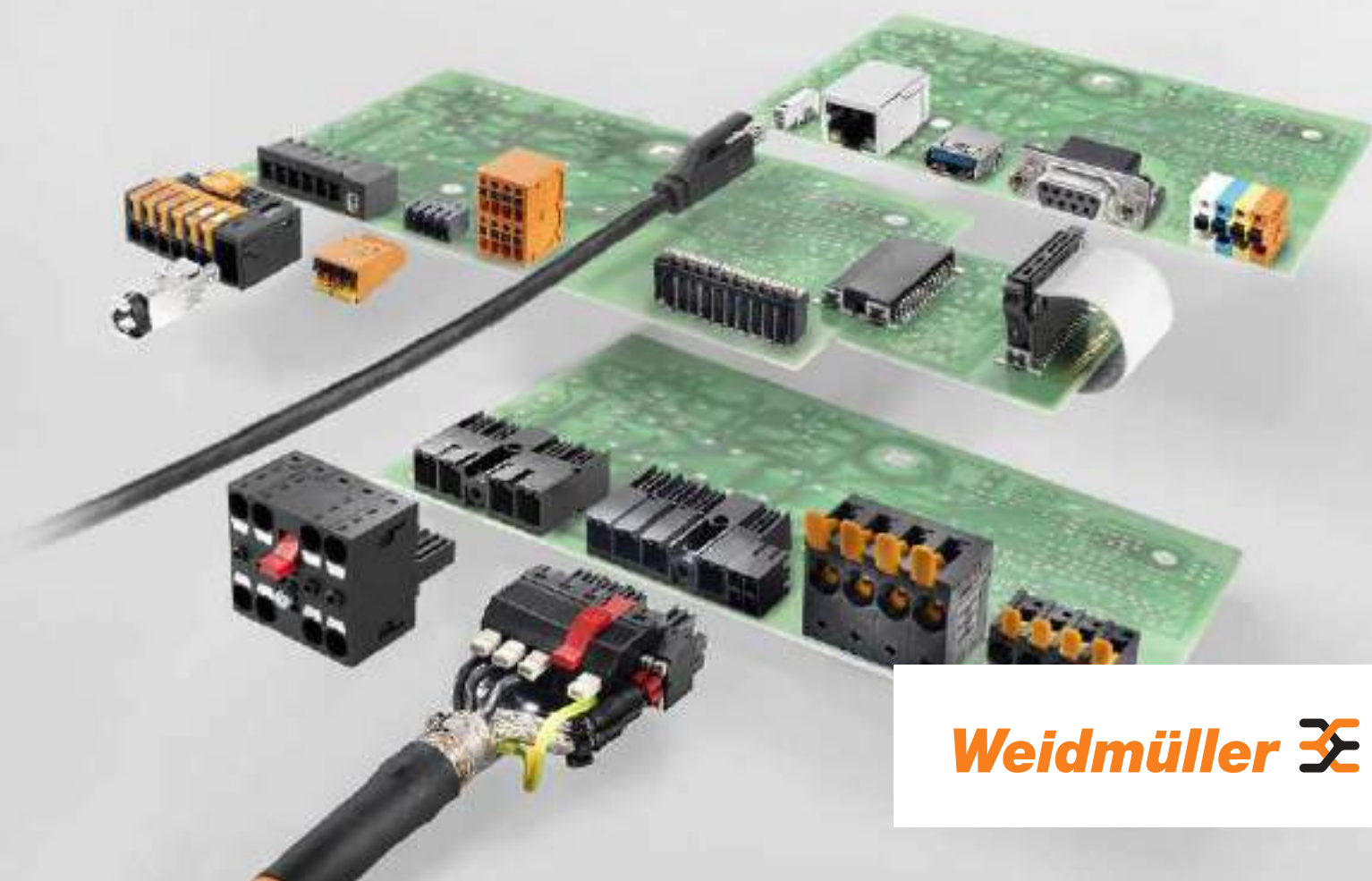


PCB terminals and connectors OMNIMATE®

Design-in tools
and support at
[www.weidmuller.com/
omnimate](http://www.weidmuller.com/omnimate)

Version 2022



Weidmüller 

Orange Selection

Quick and easy planning

As a planning engineer, do you want to select products easily and receive them quickly? From a partner you can rely on? Then plan with the Orange Selection from Weidmüller in the future. The Orange Selection items are always available, carefully selected and the portfolio consists of more than 1,500 items to fully cover your standard needs.

If your order is placed before 3:00 pm, we guarantee that your order will be on its way the very next working day.

For even more efficient planning and production processes, we will of course provide all articles in digital form. CAD, ETIM and eClass data are available in our online product catalogue **catalog.weidmueller.com**

We have summarised all the advantages of the Orange Selection on our website.

Check it out: **www.weidmueller.com/orange-selection**



PCB terminals and connectors

OMNIMATE®

Catalogue 2

A	PCB terminals and connectors OMNIMATE®	Services & products in use
B		OMNIMATE® 4.0
C		OMNIMATE® Data
D		OMNIMATE® Data - RJ45
E		OMNIMATE® Data - USB
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		Accessories

PCB terminals and connectors

OMNIMATE®

Catalogue 2

PCB terminals and connectors
OMNIMATE®

OMINIMATE® Power

PCB terminals

PCB connectors

BUS connection system

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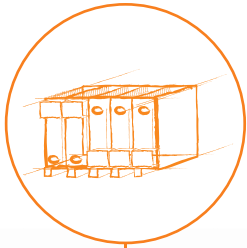
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X

Rely on the quality and leading edge of the pioneer in connectivity

With each new generation, device designs are becoming smaller, more economical and offer greater performance. Accordingly, the connection system for more compact sizes must, for example, transfer high currents to the printed circuit board reliably and with minimum losses and also ensure a mechanically stable connection. At the same time, handling should be made safer and more convenient.

Do not leave the success of your device developments to chance. Trust the original OMNIMATE® PCB connection technology. As the inventor of the PCB terminal block and technological leader in device connectivity, Weidmüller offers high-quality components and unique design-in services that promise real added value for your device design.



1960

Pioneering accomplishment

Weidmüller brings the worldwide first PCB terminal block onto the market



1980

Groundbreaking

The first plug-in connector for the PCB connection still today defines a connector face standard



2003

Creative

Power connectors up to 16 mm² with mounting flange simplify safe connection and release

PUSH IN

1978

Progressive

The PUSH IN connection technology is used for the very first time in a PCB terminal block



1999

Efficient

The first male header for the SMT reflow soldering processing is launched



**Your way to the right product
The AppGuide**

You can search for ways to successfully implement ideas for an application. Simply select your device application in our AppGuide, and we will recommend a range of products for all the different functions of your device.



**2021
OMNIMATE 4.0**

Digital. Flexible. Fast.
Solutions for industrial infrastructure of the future.



**2016
New**

Compact PUSH IN terminal blocks set new standards in efficiency and reliability



**2009
Innovative**

With the hybrid motor connector, Weidmüller provides the first single cable interface for drives



**2018
Smart**

The BL I/O CJC integrates electronics into a PCB plug-in connector for the first time



**2019
Digital**

The digital twin of all components as the key to Industry 4.0



**2013
Unique**

AppGuide, 72-hour sample service and configurators are just some of the diverse planning and support tools

Your ideas need the right connections Ours are simply brilliant



OMNIMATE® 4.0 SNAP IN connection solutions



- Unique SNAP IN connection for particularly fast, safe and tool-free wiring
- Maximum flexibility with digital configuration for transmitting power, signals and data in one connector
- Future-proof platform connector with integrated functions, such as Single Pair Ethernet
- All products are ready for shipment within 3 days – including individually configured products“



OMNIMATE® Data Single Pair Ethernet Connectors

- Devices can become significantly smaller - Most compact design for implementing IIoT devices (saving of > 50 %)
- Vibration-proof and insensitive to electromagnetic influences - Particularly robust, industry-compatible construction
- The colour-coded two-wire connection technology saves installation time and avoids connection errors - Userfriendly structure for safe and quick installation
- Suitable for IIoT, corresponds to the latest IEEE / IEC standards for data rates from 10Mbit/s to 1Gbit/s. - High future security through compliance with international standards
- Safe locking - Even in the smallest installation space, a robust locking mechanism up to 50N is ensured (acoustic feedback during the mating process)
- Reliable process - Troublefree assembly due to sharpened pin geometry, guide posts and Tape on Reel packaging



**OMNIMATE® Data
RJ45 modular and transformer jacks**

- Future-proof transmission characteristics up to Cat 6 standard for a data rate of up to 1Gbit/s
- Electromagnetic compatibility and protection through 360° shielding
- RJ45 transformer jacks with integrated "magnetics" actively counteract faults and save space on the board
- Reinforced gold layer improves corrosion protection, reduces contact problems and guarantees a long service life



**OMNIMATE® Data
USB PCB jacks**

- Robust plug & play operation - connect and disconnect without shutting down or restarting the system
- Reinforced gold surface - up to 1,500 plugging cycles meet the requirements for high resistance
- High rated current of up to 1.5 A provides sufficient safety reserves with a maximum charging current of 0.9 A
- Flexible deployment thanks to the compatibility of USB 3.0 hosts and devices with version 2.0



**OMNIMATE® Data
D-SUB PCB connectors**

- Simple installation - Due to the straight and angled designs, the sockets integrate into any installation situation.
- High performance – Established locking systems in combination with polarisation and protection of the contacts fulfil standards in electrical applications.
- Broad range of applications – In compliance with the dimensions according to IEC 60807-3 (IEC 807-3) and DIN 41652, a wide variety of applications, such as measuring devices, interfaces and electronic devices, are covered.

Your ideas need the right connections Ours are simply brilliant



OMNIMATE® Signal PCB terminals



- Application-oriented connection systems ranging from clamping yoke screw connections to PUSH IN spring connections in all relevant cross-section ranges up to 6 mm²
- Can be used universally in all standard pitches from 3.50 mm to 7.62 mm
- A wide range of reflow-compatible products for automated SMT processes
- Compact, multi-layer designs up to 72-pole



OMNIMATE® Signal PCB plug-in connectors



- Compact at 2.50 mm pitch
36 connections at 3.50 mm pitch, highest level of power reserves at 3.81 mm pitch and largest application area at 5.08 mm pitch
- Application-oriented connection systems ranging from clamping yoke screw connections to PUSH IN spring connections.
- A wide range of reflow-compatible products for automated SMT processes
- Multi-row and multi-layer designs up to 48-pole



OMNIMATE® Signal Board-to-Board connectors

- Industrial suitable density combined with high flexible connection combinations (mezzanine, mother-to-daughter, extended-board and Board-to-wire)
- Pitch 1,27mm from 12 – 80 poles in different outlet-directions and heights
- Developed for automatic assembly with high precise pin coplanarity and SMT-fixation
- Reliable contact surface (PdNi-Au) equipped in high-performance material LCP and packed in Tape on reel for automatic assembly



OMNIMATE® Power PCB terminals



- High-power to 150 A / 1000 V (IEC) or 127 A / 600 V (UL)
- Application-oriented scalability with connection cross-sections from 16 mm² to 50 mm²
- Simple UL device approval up to 600 V
- PUSH IN wire connection up to 16 mm²
- Maintenance-free steel clamping yoke for vibration-resistant screw connections



OMNIMATE® Power PCB plug-in connectors



- Application-oriented scalability: from the compact 4 mm² connector for 29 A (IEC) or 20 A (UL) up to the sturdy 16 mm² connector for 76 A (IEC) or 60 A (UL)
- Unlimited usage up to 1000 V (IEC) or 600 V (UL)
- A variety of application-optimised mounting options



OMNIMATE® Power Panel feedthrough terminal blocks



- Clamping yoke screw connection
- PUSH IN wire connection
- Wall and housing feedthrough
- Simple, flexible and cost-saving assembly and connection of conductors
- Cable lug
- Solder connection

Your ideas need the right connections Ours are simply brilliant



OMNIMATE® Housings



- Scalability to meet requirements: from extruded profile to compact housing to modular housing
- Customisable
- Installation housing IP20
- Female plug with mismatching protection
- PUSH IN wire connection
- Clamping yoke screw connection
- Suitable for an automated soldering process with THT & THR Solderable male connectors with high-temperature LCP material and optional tape-on-reel packing

OMNIMATE® 4.0– SNAP IN Connection solutions

Pitch 5.00 mm



Webcode # 11530

MHS 5

Male connector with 90°, 180° and 270° outlet direction for wave and reflow processes.

- Male header
- Pitch: 5.00 mm
- Number of poles: 2-12
- IEC: 400 V / 26.8 A
- UL: 300 V / 18.5 A



Webcode # 11531

MPS 5

Female plug with 180° outlet direction, SNAP IN connection technology and optional self-locking top flange.

- SNAP IN connection
- Pitch: 5.00 mm
- Number of poles: 2-12
- IEC: 400 V / 26.8 A / 0.5-4 mm²
- UL: 300 V / 18.5 A / AWG 20-12/7/9

Pitch 7.50 mm



Webcode # 11539

MHS 7S

Male connector with 90°, 180° and 270° outlet direction for wave and reflow processes.

- Male connector
- Grid: 7.50 mm
- Number of poles: 2-12
- IEC: 630 V / 26.8 A
- UL: 300 V / 18.5 A"



Webcode # 11540

MPS 7S

Female plug with 180° outlet direction, SNAP IN connection system and optional self-locking top flange.

- SNAP IN connection system
- Grid: 7.50 mm
- Number of poles: 2-12
- IEC: 1000 V / 26.8 A / 0.5-4 mm²
- UL: 600 V / 18.5 A / AWG 20-12/7/9

Pitch 7.50 mm + pitch 5.00 mm (Hybrid)



Webcode # 11541

MHS 7S/.. 5

Hybrid male connector consisting of power and signal interfaces for wave and reflow processes.

- Male connector
- Grid: 7.50 mm and 5.00 mm
- Number of poles: 2-12
- IEC: 630 V / 26.8 A
- UL: 300 V / 18.5 A



Webcode # 11542

MPS 7S/.. 5

Hybrid female plug with 180° outlet direction, SNAP IN connection system and optional self-locking top flange.

- SNAP IN connection system
- Grid: 7.50 mm and 5.00 mm
- Number of poles: 2-12
- IEC: 1000 V / 26.8 A / 0.5-4 mm²
- UL: 600 V / 18.5 A / AWG 20-12/7/9"

Pitch 5.00 mm + Single Pair Ethernet (Hybrid)



Webcode # 11532

MHS 5/.. D11

Hybrid male connector with integrated Single Pair Ethernet (SPE) data connection for wave and reflow processes..

- Male header
- Pitch: 5.00 mm
- Number of poles: 2-12
- IEC: 400 V / 26.8 A
- UL: 300 V / 18.5 A



Webcode # 11533

MPS 5/.. D11

Hybrid female plug with SNAP IN connection technology and field attachable Single Pair Ethernet data connector.

- SNAP IN connection
- Pitch: 5.00 mm
- Number of poles: 2-12
- IEC: 400 V / 26.8 A / 0.5-4 mm²
- UL: 300 V / 18.5 A / AWG 20-12/7/9

Pitch 7.50 mm + pitch 5.00 mm + Single Pair Ethernet (Hybrid)



Webcode # 11543

MHS 7S/.. 5/.. D11

Hybrid male connector consisting of power, signal and data interfaces for wave and reflow processes.

- Male connector
- Grid: 7.50 mm and 5.00 mm
- Number of poles: 2-12
- IEC: 630 V / 26.8 A
- UL: 300 V / 18.5 A



Webcode # 11544

MPS 7S/.. 5/.. D11

Hybrid female plug with SNAP IN connection system and field-terminable Single Pair Ethernet data connector.

- SNAP IN connection system
- Grid: 7.50 mm and 5.00 mm
- Number of poles: 2-12
- IEC: 1000 V / 26.8 A / 0.5-4 mm²
- UL: 600 V / 18.5 A / AWG 20-12/7/9

OMNIMATE® Data – Single Pair Ethernet connector

SPE Connector, IP20



Webcode # 11523

IE-PCB-SP0-P-90V-THR
Angled (90°) Single-Pair PCB male header for IP20

- Reflow-soldering (THR)
- Robust housing with metal snap-in mechanism
- Shielded and reinforced contacts (PdNi)
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- Packaging in ToR



Webcode # 11550

IE-PCB-SP0-P-90V-THR-YG/YG
Angled (90°) Single-Pair PCB male header for IP20 incl. LED

- Reflow-soldering (THR)
- Robust housing with metal snap-in mechanism
- Shielded and reinforced contacts (PdNi)
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- Packaging in ToR*



Webcode # 11551

IE-PCB-SP0-P-180V-THR
Straight (180°) Single-Pair PCB male header for IP20

- Reflow-soldering (THR)
- Robust housing with metal snap-in mechanism
- Shielded and reinforced contacts (PdNi)
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- Packaging in ToR



Webcode # 11552

IE-S1DS2VE00..TO..
Overmoulded single-pair patch cable for IP20

- Pre-assembled patch cables
- Industrial design metal snap-in locking hook
- Shielded and reinforced contacts
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- Packaging in bag

SPE Connector, IP20



Webcode # 11545

IE-PS-SP0-S-FH-180
Single-Pair IDC Plug for IP20

- field attachable IDC plug
- Industry standard plug with metal Snap-in hooks locking
- Shielded and reinforced contacts
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- Packaging in ToR



Webcode # 11546

IE-PCB-SPM..
Straight (180°) and angled (90°) Single-Pair PCB connector for IP67

- M8 Connector
- Reflow-soldering (THR) and SMT
- Front and rear wll mounting possible
- Performance Category: up to 1Gbit/s
- Packaging in ToR



Webcode # 11546

IE-S1DS2VE00..TM..
Overmoulded single-pair patch cable for IP67

- M8 Connector
- Inverse M8 System possible (PoDL coding)
- Performance Category: up to 1Gbit/s
- Packaging in bag

OMNIMATE® Data – PCB jacks and plug-in connectors

PCB modular jack



Webcode # 11413

RJ45 solder connection for (THT)
PCB jack for wave soldering process

- Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to Cat 6
- Plugging cycles: 750
- With / without LEDs



Webcode # 11414

RJ45 solder connection (THR)
PCB jack for reflow and wave soldering process

- Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to Cat 6
- Plugging cycles: 750
- With / without LEDs



Webcode # 11415

RJ45 solder connection for (SMT)
PCB jack for reflow soldering process

- Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to Cat 5
- Plugging cycles: 750
- With / without LEDs

RJ45 transformer jacks



Webcode # 11416

RJ45 solder connection for (THT)
PCB jack for wave soldering process

- Integrated magnetics
- Outlet direction: 90°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750



Webcode # 11417

RJ45 solder connection (THR)
PCB jack for reflow and wave soldering process

- Integrated magnetics
- Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- With / without LEDs



Webcode # 11418

RJ45 solder connection (THT) multiport
PCB jack for wave soldering process

- Integrated magnetics
- Outlet direction: 90°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- With / without LEDs



Webcode # 11419

RJ45 solder connection (THR) multiport
PCB jack for wave soldering process

- Integrated magnetics
- Outlet direction: 90°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- With / without LEDs

Plug-in connectors



Webcode # 11312

RJ45 connector „steadytec“
Tool-free and field-attachable plug for Industrial Ethernet

- IDC connection, 4-8-core
- Outlet direction: 180°
- Category: Cat.5 and Cat.6A
- AWG 26...AWG 22 / 0.48...0.76 mm²

Patch cable



Webcode # 11313

RJ45 patch cable
Freely configurable RJ45 cable in a wide range of colours

- Protected latching hook, 8-core
- Outlet direction: 90°, 180° and 270°
- Category: Cat.6A

D-SUB connectors



Webcode # 11528

High-Density D-SUB solder connection for (THT)
PCB connectors for wave soldering process

- Outlet direction: 90°
- Gender: femal, male
- Side termination: threaded nut
- Packed in tray



Webcode # 11462

D-SUB solder connection for (THT)
PCB connectors for wave soldering process

- Outlet direction: 90° and 180°
- Gender: femal, male
- Side termination: hole, nut, bold
- Packed in tray

OMNIMATE® Data – PCB jacks and plug-in connectors

USB jacks



Webcode # 11420

USB 3.0/2.0 solder connection (THT)
PCB jack for wave soldering process

- Outlet direction: 90° and 180°
- Performance Category: up to 5 Gbit/s
- Plugging cycles: ≥1.500
- Packed in tray



Webcode # 11421

USB 3.0 solder connection (THR)
PCB jack for reflow and wave soldering process

- Outlet direction: 180°
- Performance Category: up to 5 Gbit/s
- Plugging cycles: ≥1.500
- Packed in tray or ToR



Webcode # 11422

USB 2.0 solder connection for (SMT)
PCB jack for reflow soldering process (SMT)

- Outlet direction: 90°
- Performance Category: up to 5 Gbit/s
- Plugging cycles: ≥1.500
- Packed in ToR

Ethernet terminal



Webcode # 11527

LSF-SMT and LMF
PCB terminal for Ethernet-compliant data transmission e.g. for PROFINET (up to 100Mbps)

- PUSH IN spring connection
- Pitch: 3.50, 3.81 and 5.08 mm
- Number of poles: 4
- For all IIoT devices

OMNIMATE® Data – M8 and M12 PCB jacks

M8



Webcode # 11364

M8 Dome (individual part)
PCB circular connector for automatic assembly and M8 threads.

- Number of poles: 3, 4, 8
- Female and male contact
- SMT, THR
- Shielded and unshielded



Webcode # 11366

M8 Front mounting
PCB circular connector with M8 thread for front mounting.

- Number of poles: 3, 4, 8
- Female and male contact
- Outlet direction: 180°
- Shielded and unshielded



Webcode # 11368

M8 Rear panel mounting
PCB circular connector with M8 thread for rear panel mounting.

- Number of poles: 3, 4, 8
- Female and male contact
- Outlet direction: 90°, 180°
- Shielded and unshielded

M12



Webcode # 11352

M12 Dome (individual part)
PCB circular connector for automatic assembly and M12 threads.

- Number of poles: 4, 5, 8
- Female and male contact
- SMT
- Shielded and unshielded
- Coding: A, B, D



Webcode # 11354

M12 Front mounting
PCB circular connector with M12 thread for front mounting.

- Number of poles: 4, 5, 8
- Female and male contact
- Outlet direction: 90°, 180°
- Shielded and unshielded
- Coding: A, B, D, X



Webcode # 11356

M12 Front mounting
PCB circular connector with M12 thread for front mounting.

- Number of poles: 4, 5, 8
- Female and male contact
- Outlet direction: 90°, 180°
- Shielded and unshielded
- Coding: A, B, D, X

SAI plugs and cables



Webcode # 11529

SAI round plug-in connectors and cables
High IP rated connectivity range of M5, M8, M12, M16 and M23

- Different codings like A, B and D
- Up to protection degree IP 69K
- For mechanically and chemically stressed applications

OMNIMATE® Signal – PCB terminals

Clamping yoke screw connection


Webcode #01010
LM 3.50 / LM1N / LM2N

Small, compact PCB terminal with conductor outlet direction of 90° or 135°.

- Clamping yoke screw connection
- Pitch: 3.50 mm
- Number of poles: 2-12
- IEC: 320 V / 16 A / 0.2-1.5 mm²
- UL: 300 V / 10 A / AWG 28-14


Webcode #01012
LM 5.00/5.08

Single-row PCB terminal with conductor outlet direction of 90°, 135° and 180°.

- Clamping yoke screw connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-24
- IEC: 630 V / 17.5 A / 0.2-2.5 mm²
- UL: 300 V / 15 A / AWG 24-14


Webcode #01014
LS 5.08

Small, compact PCB terminal with conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 5.08 mm
- Number of poles: 2-12
- IEC: 630 V / 17.5 A / 0.08-1.5 mm²
- UL: 300 V / 15 A / AWG 28-14


Webcode #01016
LL 5.00/5.08

Single-row PCB terminal with conductor outlet direction of 90° and 180°.

- Clamping yoke screw connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-24
- IEC: 500 V / 32.5 A / 0.5-6 mm²
- UL: 300 V / 20 A / AWG 28-12

Clamping yoke screw connection


Webcode #01018
LL 9.52

Single-row PCB terminal with conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 9.52 mm
- Number of poles: 2-3
- IEC: 1,000 V / 32 A / 0.18-6 mm²
- UL: 300 V / 30 A / AWG 26-10

Leaf - spring screw connection


Webcode #01020
PS 3.5

Very small and compact PCB terminal with conductor outlet direction of 90°.

- Leaf-spring screw connection
- Pitch: 3.50 mm
- Number of poles: 2-12
- IEC: 320 V / 17.5 A / 0.2-1.5 mm²
- UL: 300 V / 10 A / AWG 28-16


Webcode #01022
PM 5.00/5.08

PCB terminal with conductor inlet direction of 90°.

- Leaf-spring screw connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-12
- IEC: 600 V / 24 A / 0.13-2.5 mm²
- UL: 300 V / 15 A / AWG 26-14

PUSH IN - spring connection


Webcode #01028
LSF-SMT 3.5 / 3.81

PCB terminal for fully automatic assembly for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection
- Pitch: 3.50 mm / 3.81 mm
- Number of poles: 2-24
- IEC: 320 V / 17.5 A / 0.2-1.5 mm²
- UL: 300 V / 12 A / AWG 24-16


Webcode #01030
LSF-SMT 5.00 / 5.08

PCB terminal for fully automatic assembly for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-8
- IEC: 500 V / 17.5 A / 0.2-1.5 mm²
- UL: 300 V / 12 A / AWG 24-16


Webcode #01032
LSF-SMT 7.50 / 7.62

PCB terminal for fully automatic assembly for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection
- Pitch: 7.50 mm / 7.62 mm
- Number of poles: 2-8
- IEC: 800 V / 17.5 A / 0.2-1.5 mm²
- UL: 300 V / 12 A / AWG 24-16


Webcode #01034
LSF-SMD 3.5

PCB terminal for fully automatic assembly for reflow soldering (SMT).

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 2-12
- IEC: 320 V / 17.5 A / 0.2-1.5 mm²
- UL: 300 V / 12 A / AWG 24-16

OMNIMATE® Signal – PCB terminals

PUSH IN - spring connection



Webcode #01036

LSF-SMD 5.00

PCB terminal for fully automatic assembly for reflow soldering (SMT).

- PUSH IN spring connection
- Pitch: 5.00 mm
- Number of poles: 2-8
- IEC: 500 V / 17.5 A / 0.2-1.5 mm²
- UL: 300 V / 12 A / AWG 24-16

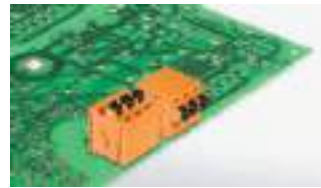


Webcode #01038

LSF-SMD 7.50

PCB terminal for fully automatic assembly for reflow soldering (SMT).

- PUSH IN spring connection
- Pitch: 7.50 mm
- Number of poles: 2-6
- IEC: 800 V / 17.5 A / 0.2-1.5 mm²
- UL: 300 V / 12 A / AWG 24-16

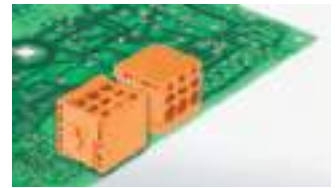


Webcode #01040

LMF 5.00/5.08

PCB terminal with pusher for opening the contact point and an integrated test point.

- PUSH IN spring connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A / 0.2-2.5 mm²
- UL: 300 V / 10 A / AWG 26-12



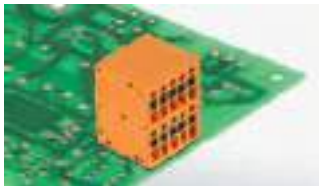
Webcode #01042

LMFS 5.00/5.08

PCB terminal without pusher; contact point can be opened using a screwdriver and integrated test point.

- PUSH IN spring connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A / 0.2-2.5 mm²
- UL: 300 V / 10 A / AWG 26-12

PUSH IN - spring connection



Webcode #01026

LS2HF 3.50

Double-storey PCB terminal for wave soldering processes, with conductor insertion and slider operation from the same direction (TOP).

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 4-24
- IEC: 400 V / 10 A / 0.14-1.5 mm²
- UL: 150 V / 12.5 A / AWG 26-16



Webcode #11514

LMF 7.50

PCB terminal with pusher for opening the contact point and an integrated test point.

- PUSH IN spring connection
- Pitch: 7.50 mm
- Number of poles: 2-24
- IEC: 1000 V / 24 A / 0.2-2.5 mm²
- UL: 300 V / 20 A / AWG 26-12



Webcode #11515

LMFS 7.50

PCB terminal without pusher; contact point can be opened using a screwdriver and integrated test point.

- PUSH IN spring connection
- Pitch: 7.50 mm
- Number of poles: 2-24
- IEC: 1000 V / 24 A / 0.2-2.5 mm²
- UL: 300 V / 20 A / AWG 26-12



Webcode #11547

LMFV 5.00/90

PCB terminal with pusher, identical to the tried-and-tested LM 5.00 with clamping yoke connection

- PUSH IN spring connection
- Grid 5.00
- Number of poles 2-24
- IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
- UL: 300 V / 15 A / AWG 24 - AWG 14

PUSH IN - spring connection



Webcode #11548

LMFV 7.50/90

PCB terminal with pusher

- PUSH IN spring connection
- Grid 7.50
- Number of poles 2-24
- IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
- UL: 300 V / 15 A / AWG 24 - AWG 14



Webcode #11448

LMZF

Single-row PCB terminal with maintenance-free tension clamp connection and with conductor outlet direction of 135°.

- Tension clamp connection
- Pitch: 5, 7 & 10 mm
- Number of poles: 2-24
- IEC: 630 V/24 A / 0.13 - 2.5 mm²
- UL: 300 V/15 A / AWG 26-AWG 14



Webcode #11447

LM2NZF & LM3RZF

Multi-level PCB terminal with conductor outlet direction of 135°.

- Tension clamp connection
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 630 V/24 A / 0.13 - 2.5 mm²
- UL: 300 V/15 A / AWG 26-AWG 14

OMNIMATE® Board-to-Board connectors

Pitch 1.27 mm



Webcode # 11516

FMH1
Male header with stack height 1.75 mm

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)



Webcode # 11517

FMH3
Male header with stack height 3.25 mm

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)



Webcode # 11518

FMH
Male header, angled

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)



Webcode # 11549

- FC**
- Assembled cable
 - Different cable types and lengths
 - Pitch: 1.27 mm / 0,635 mm Ribbon Cable
 - 12 - 80 poles
 - IEC: 0,5 A
 - Cross section: AWG 30/7
 - UL 758 flammability rating: VW1

Pitch 1.27 mm



Webcode # 11519

FFH6
Female header with stack height 6.25 mm

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)



Webcode # 11520

FFH9
Female header with stack height 9.05 mm

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)



Webcode # 11521

FFH
Female header, angled

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)



Webcode # 11522

- FFH**
Female plug
- IDC-Connection
 - Pitch: 1.27 mm
 - Number of poles: 12-80
 - Clear. and creepage distance: min. 0.4 mm
 - IEC: 2.8 A (20°C, 12 pole)
 - UL: 150 V / 1.0 A (12 pole) / AWG 30

OMNIMATE® Signal – PCB connectors

Pitch 2.50 mm



Webcode # 11323

BLF 2.50
Female plug for conductor connection with PUSH IN spring connection.

- PUSH IN spring connection
- Pitch: 2.50 mm
- Number of poles: 2-12
- IEC: 320 V / 6 A / 0.08 - 0.5 mm²
- UL: 150 V / 5 A / AWG 28 - 20



Webcode # 11324

SL 2.50
Male header for wave soldering methods for 2.50 mm pitch.

- Male header
- Pitch: 2.50 mm
- Number of poles: 2-12
- IEC: 320 V / 6 A
- UL: 320 V / 6 A

Pitch 3.50 mm double - row design



Webcode # 01060

S2C 3.50
High-temperature-resistant, double-row male header for reflow and wave soldering methods.

- Male header
- Pitch: 3.50 mm
- Number of poles: 4-36
- IEC: 200 V / 13.4 A
- UL: 150 V / 10 A



Webcode # 01058

B2CF 3.50
Compact double-row female plug with maximum connection density within an extremely small space.

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 4-46
- IEC: 320 V / 13.4 A / 0.14-1.5 mm²
- UL: 300 V / 9.5 A / AWG 26-16

OMNIMATE® Signal – PCB connectors

Pitch 3.50 mm

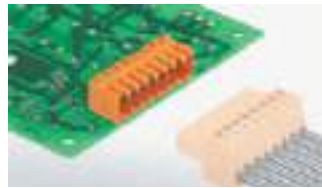


Webcode #01068

SL-SMT 3.50

High-temperature-resistant male header for reflow and wave soldering methods.

- Male header
- Pitch: 3.50 mm
- Number of poles: 2-24
- IEC: 320 V / 15 A
- UL: 300 V / 10 A

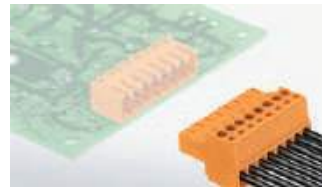


Webcode #01072

SL 3.50

Male header for wave soldering methods.

- Male header
- Pitch: 3.50 mm
- Number of poles: 2-24
- IEC: 320 V / 17 A
- UL: 300 V / 10 A

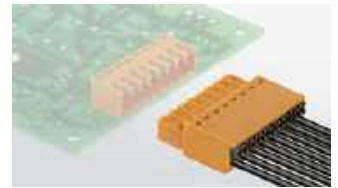


Webcode #01066

BL 3.50

Female plug for conductor connection with clamping yoke screw connection.

- Clamping yoke screw connection
- Pitch: 3.50 mm
- Number of poles: 2-24
- IEC: 320 V / 17 A / 0.2-1.5 mm²
- UL: 300 V / 10 A / AWG 28-14



Webcode #11410

BLF 3.5

Female plug with PUSH IN spring connection

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 2-24
- IEC: 320 V / 14.5 A / 0.2 - 1.5 mm²
- UL: 300 V / 9.5 A / AWG 28-16

Pitch 3.50 mm

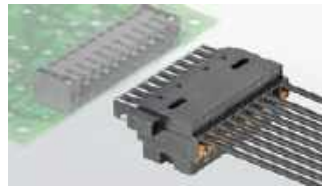


Webcode #01064

BL-I/O 3.5

Extremely compact female plug in one or three-row design and with an integrated LED display.

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 10 & 30
- IEC: 200 V / 2.2 A / 0.2-1 mm²
- UL: 50 V / 5 A / AWG 24-16



Webcode #11445

BLI/O CJC

Compact female plug with integrated cold junction compensation.

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 10
- IEC: 50 -V / 2.2 A / 0.2 - 1.5 mm²
- UL: 50 V / 5 A / AWG 24 - 16



Webcode #01076

SC-SMT 3.81

High-temperature-resistant male header with a very low profile for reflow and wave soldering methods.

- Male header
- Pitch: 3.81 mm
- Number of poles: 2-16
- IEC: 320 V / 17.5 A
- UL: 300 V / 10 A



Webcode #01080

SC 3.81

Male header with a very low profile for wave soldering methods.

- Male header
- Pitch: 3.81 mm
- Number of poles: 2-20
- IEC: 320 V / 17.5 A
- UL: 300 V / 10 A

Pitch 3.81 mm



Webcode #11316

SCZ 3.81

Compact male plug for conductor connection with clamping yoke screw connection.

- Clamping yoke screw connection
- Pitch: 3.81 mm
- Number of poles: 2-12
- IEC: 320 V / 17.5 A / 0.14-1.5 mm²
- UL: 300 V / 10 A / AWG 28-16



Webcode #01074

BCZ 3.81

Compact female plug for conductor connection with clamping yoke screw connection.

- Clamping yoke screw connection
- Pitch: 3.81 mm
- Number of poles: 2-20
- IEC: 320 V / 17.5 A / 0.14-1.5 mm²
- UL: 300 V / 10 A / AWG 28-16



Webcode #01078

BCF 3.81

Female plug with very low profile for conductor connection with PUSH IN spring connection.

- PUSH IN spring connection
- Pitch: 3.81 mm
- Number of poles: 2-18
- IEC: 320 V / 17.5 A / 0.2-1.5 mm²
- UL: 300 V / 10 A / AWG 28-16



Webcode #01082

BCL-SMT 3.81

High-temperature-resistant female header with a very low profile for reflow soldering methods.

- Female header
- Pitch: 3.81 mm
- Number of poles: 2-12
- IEC: 320 V / 17.5 A
- UL: 300 V / 10 A

OMNIMATE® Signal – PCB connectors

Pitch 5.00 mm



Webcode # 11444

SL-SMT 5.00HC

High-temperature-resistant, bent pin header, optimized for automatic assembly and reflow and wave soldering.

- Male header
- Pitch: 5.00 mm
- Number of poles: 2-24
- IEC: 400 V / 27.5 A
- UL: 300 V / 18.5 A



Webcode #01095

SL 5.00

Pin headers with solder pin length optimized for wave flow soldering.

- Male header
- Pitch: 5.00 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A
- UL: 300 V / 18.5 A



Webcode # 11461

SLD 5.00

2-tier male header with parallel pin arrangement with outlet direction of 90° & 180°, optimized for wave soldering methods.

- Male header
- Pitch: 5.00 mm
- Number of poles: 4-48
- IEC: 400 V / 15 A
- UL: 300 V / 10 A



Webcode #01165

BLZP 5.00HC

High-current-female-plug for outlet direction of 90°, 180° or 270°.

- Clamping yoke screw connection
- Pitch: 5.00 mm
- Number of poles: 2-24
- IEC: 400 V / 23 A / 0.2-4 mm²
- UL: 300 V / 20 A / AWG 30-12

Pitch 5.00 mm



Webcode # 11442

BLF 5.00HC

Compact high-current-female-plug for outlet direction of 90°, 180° or 270°.

- PUSH IN spring connection
- Pitch: 5.00 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A / 0.2-2.5 mm²
- UL: 300 V / 18.5 A / AWG 26-12

Pitch 5.08 mm



Webcode # 01090

SL-SMT 5.08HC

Highly temperature-resistant angled male header optimised for automatic assembly and for reflow and wave soldering methods.

- Male header
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 27.5 A
- UL: 300 V / 18.5 A

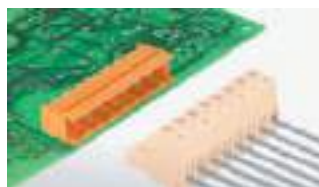


Webcode # 11441

SLDV-THR 5.08

High-temperature resistant, double level, laterally offset, male connector with flange or solder flange.

- Male header
- Pitch: 5.08 mm
- Number of poles: 4-48
- IEC: 400 V / 15 A
- UL: 300 V / 10 A

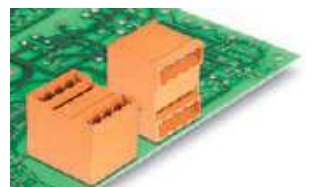


Webcode #01094

SL 5.08HC

Male headers in glass-fibre-reinforced plastic, optimised for wave soldering methods.

- Male header
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A
- UL: 300 V / 18.5 A



Webcode #11440

SLD 5.08

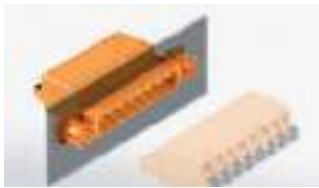
2-tier male header with parallel or laterally offset pin arrangement with outlet direction of 90° & 180°, optimized for wave soldering methods.

- Male header, parallel or laterally offset
- Pitch: 5.08 mm
- Number of poles: 4-48
- IEC: 400 V / 15 A
- UL: 300 V / 10 A

Product overview

OMNIMATE® Signal – PCB connectors

Pitch 5.08 mm



Webcode #01098

SLF 5.08

Male plugs with straight outlet direction provide space for labelling and can be coded.

- PUSH IN spring connection
- Pitch: 5.08 mm
- Number of poles: 2-12
- IEC: 400 V / 25.9 A / 0.2-2.5 mm²
- UL: 300 V / 14 A / AWG 26-12



Webcode #01087

SLS 5.08

Male plug with clamping-yoke screw wire-connect system. Clamping yoke screw connection

- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 21.5 A / 0.2-2.5 mm²
- UL: 300 V / 14 A / AWG 26-AWG 12



Webcode #01084

BLZP 5.08HC

High-current female plug for conductor connection with 90°, 180° to 225° and 270° outlet direction.

- Clamping yoke screw connection
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 23 A / 0.2-4 mm²
- UL: 300 V / 20 A / AWG 30-12



Webcode #01092

BLT 5.08HC

High-current female plug for conductor connection with a straight 180° outlet direction and space for labelling.

- TOP screw connection
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 27 A / 0.2-2.5 mm²
- UL: 300 V / 17 A / AWG 26-14

Pitch 5.08 mm



Webcode #01088

BLF 5.08HC

Compact high-current female plug for conductor outlet directions of 90° to 180° and 270°.

- PUSH IN spring connection
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A / 0.2-2.5 mm²
- UL: 300 V / 18.5 A / AWG 26-12

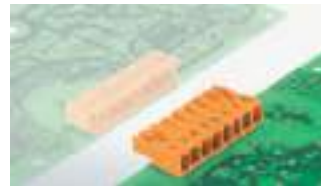


Webcode #01096

BLC 5.08

Female plug to allow for the pre-assembly of wiring harnesses in large quantities.

- Crimp connection system
- Pitch: 5.08 mm
- Number of poles: 2-16
- IEC: 400 V / 21 A
- UL: 300 V / 10 A / AWG 26-14



Webcode #01100

BLL 5.08

Female header for PCB assembly with 90° and 180° outlet direction and optimised solder pin length for wave soldering methods.

- Female header
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 23 A
- UL: 300 V / 15 A

Rectangular connector



Webcode #11360

RSV 1.6 C

Rectangular connector for a high component density, for use as a free coupling or a PCB variant.

- Crimp connection system
- Pitch: 5.00 mm
- Number of poles: 4-36
- IEC: 630 V / 17 A
- UL: 600 V / 10 A / AWG 26-12



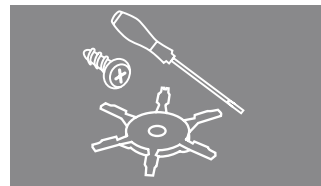
Webcode #01106

RSV 1.6 L

Rectangular connector with solder pin and solder jack contacts for PCB applications.

- Solder pin contacts
- Pitch: 5.00 mm
- Number of poles: 4-36
- IEC: 500 V / 14 A
- UL: 300 V / 10 A

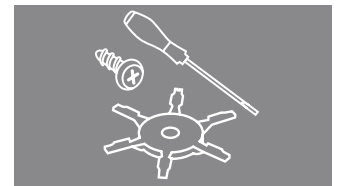
Accessories



Webcode #11439

Accessories

For signal PCB terminals



Webcode #11438

Accessories

For signal PCB connectors

OMNIMATE® Power – PCB terminals

Clamping yoke screw connection



Webcode #01044

LL 6.35

High-performance PCB terminal with offset solder pins and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 6.35 mm
- Number of poles: 2-12
- IEC: 1.000 V / 32 A / 0.18-6 mm²
- UL: 600 V / 30 A / AWG 26-10



Webcode #01048

LU 10.16

High-performance PCB terminal with offset solder pins and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2-10
- IEC: 1.000 V / 76 A / 0.5-16 mm²
- UL: 300 V / 65 A / AWG 26-6

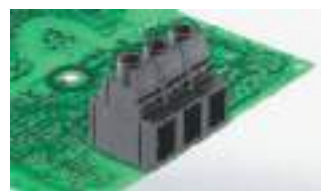


Webcode #01050

LUP 10.16 V with test point

High-performance PCB terminal with integrated test point and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2-9
- IEC: 1.000 V / 76 A / 0.5-16 mm²
- UL: 600 V / 51 A / AWG 26-6



Webcode #01052

LUP 12.70 with test point

High-performance PCB terminal with integrated test point and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 12.70 mm
- Number of poles: 2-9
- IEC: 1.000 V / 76 A / 0.5-16 mm²
- UL: 600 V / 58 A / AWG 26-6

Clamping yoke screw connection



Webcode #01054

LX 15.00 with test point

High-performance PCB terminal with integrated test point and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 15.00 mm
- Number of poles: 1-9
- IEC: 1.000 V / 101 A / 1.5-25 mm²
- UL: 600 V / 85 A / AWG 16-4



Webcode #01056

LXXX 15.00 with test point

High-performance PCB terminal with integrated test point and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 15.00 mm
- Number of poles: 1-9
- IEC: 1.000 V / 150 A / 0.5-50 mm²
- UL: 600 V / 127 A / AWG 20-1

PUSH IN spring connection



Webcode #11408

LLF / LLFS 7.5

Highly reliable PCB terminals with integrated test point and conductor outlet direction of 90° and 180°.

- PUSH IN spring connection
- Fast wiring without tool (LLF 7.50)
- Pitch: 7.5 mm
- Number of poles: 1-12
- IEC: 1.000 V / 41 A / 0.5-6 mm²
- UL: 600 V / 35 A / AWG 24-8



Webcode #01046

LUF / LUFS 10

Highly reliable PCB terminals with integrated test point and conductor outlet direction of 90° and 180°.

- PUSH IN spring connection
- Fast wiring without tool (LUF10)
- Pitch: 10.00 mm
- Number of poles: 1-12
- IEC: 1.000 V / 76 A / 0.5-16 mm²
- UL: 600 V / 61 A / AWG 18-6



Webcode #11409

LUF / LUFS 15

Highly reliable PCB terminals with integrated test point and conductor outlet direction of 90° and 180°.

- PUSH IN spring connection
- Fast wiring without tool (LUF 15)
- Pitch: 15.00 mm
- Number of poles: 2-8
- IEC: 1.000 V / 76 A / 0.5-16 mm²
- UL: 1.000 V / 57 A / AWG 18-6

OMNIMATE® Power – PCB connectors

OMNIMATE® Power Hybrid

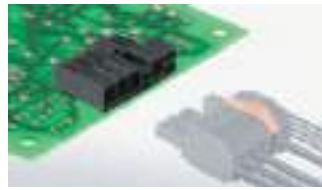


Webcode # 11437

SV-SMT 7.62 hybrid

High-temperature-resistant hybrid male header with energy and signal contacts.

- Male header
- Pitch: 7.62 mm
- Pole count: 2/4-5/8
- IEC: 1.000 V / 41 A
- UL: 300 V / 35 A



Webcode #01112

SV 7.62 hybrid

Hybrid male header with energy and signal contacts.

- Male header
- Pitch: 7.62 mm
- Pole count: 2/4-5/8
- IEC: 1.000 V / 41 A
- UL: 300 V / 35 A



Webcode # 11465

BVF 7.62HP hybrid

Hybrid female plug - the perfect 2-in-1 solution for the simultaneous combination of energy and signals. Available with plug-in EMC shield support on request.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 2/4-5/8
- IEC: 1.000 V / 38 A / 0.5-10 mm²
- UL: 600 V / 35 A / AWG 24-8



Webcode # 11466

BVFL 7.62 hybrid

Hybrid female plug with Wire-Ready PUSH IN the perfect 2-in-1 solution for the simultaneous combination of energy and signals.

- Wire-Ready PUSH-IN spring connection
- Pitch: 7.62 mm
- Pole count: 2 / 4-5 / 8
- IEC: 1.000 V / 38 A / 0.5-6 mm
- UL: 600 V / 35 A / AWG 24-8

OMNIMATE® Power Hybrid



Webcode # 11467

BVF 7.62 hybrid with pluggable shield connection

Hybrid female plug with pluggable shield connection to printed circuit board.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4-4
- IEC: 1.000 V / 38 A / 0.5-10 mm
- UL: 600 V / 35 A / AWG 24-8



Webcode # 11468

BVFL 7.62 hybrid with pluggable shield connection

Hybrid female plug with Wire-Ready PUSH IN and pluggable shield connection to printed circuit board.

- Wire-Ready PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4-4
- IEC: 1.000 V / 38 A / 0.5-6 mm
- UL: 600 V / 35 A / AWG 24-8



Webcode # 11481

BVF 7.62 hybrid with pluggable shield connection

Hybrid female plug with pluggable shield connection to the device metall housing.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4-4
- IEC: 1.000 V / 38 A / 0.5-10 mm
- UL: 600 V / 35 A / AWG 24-8



Webcode # 11480

BVFL 7.62 hybrid with pluggable shield connection

Hybrid female plug with Wire-Ready PUSH-IN and pluggable shield connection to the device metall housing.

- Wire-Ready PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4-4
- IEC: 1.000 V / 38 A / 0.5-6 mm
- UL: 600 V / 35 A / AWG 24-8

OMNIMATE® Power IT



Webcode #01116

SL 7.62IT

Male header with optional solder flange attachment and with leading contact for IT networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2-6
- IEC: 630 V / 29 A
- UL: 300 V / 20 A



Webcode #01114

BLZ 7.62IT

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange.

- Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2-6
- IEC: 1.000 V / 41 A / 0.2-6 mm²
- UL: 600 V / 40.5 A / AWG 24-8



Webcode # 11469

SV-SMT 7.62IT

High temperature-resistant male header with leading contact for IT-networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2-5
- IEC: 1.000 V / 41 A
- UL: 300 V / 40.5 A



Webcode #01120

SV 7.62IT

Male header with optional solder flange attachment and with leading contact for IT networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2-4
- IEC: 1.000 V / 41 A
- UL: 300 V / 40.5 A

OMNIMATE® Power – PCB connectors

OMNIMATE® Power IT


Webcode #01118
BVZ 7.62IT

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange.

- Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2-4
- IEC: 1,000 V / 41 A / 0.2-6 mm²
- UL: 600 V / 40.5 A / AWG 24-8


Webcode #01124
SU 10.16IT

Male header with optional solder flange attachment and with leading contact for computer networks.

- Male header
- Pitch: 10.16 mm
- Number of poles: 2-4
- IEC: 1,000 V / 76 A
- UL: 300 V / 60 A


Webcode #01122
BUZ 10.16IT

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2-4
- IEC: 1,000 V / 78 A / 0.2-16 mm²
- UL: 300 V / 60 A / AWG 22-4


Webcode #11479
BUZ 10.16IT SH

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange and pluggable shield connection to the device metall housing.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 3-4
- IEC: 1,000 V / 76 A / 2.5-16 mm²
- UL: 600 V / 55 A / AWG 22-4

OMNIMATE® Power IT


Webcode #11407
BUF 10.16IT

Female plug with 180° outlet direction for IT networks with self-locking centre flange.

- PUSH IN spring connection
- Pitch: 10.16 mm
- Number of poles: 2-5
- IEC: 1,000 V / 76 A / 2.5 - 16 mm²
- UL: 600 V / 55 A / AWG 12 - AWG 4


Webcode #11471
BUF 10.16IT SH

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange and pluggable shield connection to the device metall housing.

- PUSH IN spring connection
- Pitch: 10.16 mm
- Number of poles: 3-4
- IEC: 1,000 V / 76 A / 2.5-16 mm²
- UL: 600 V / 55 A / AWG 12-4

OMNIMATE® Power HP pitch 4 mm²


Webcode #01130
SL 7.62HP

Male header with single compartment mating profile and touch protection.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2-12
- IEC: 630 V / 29 A
- UL: 300 V / 20 A


Webcode #01134
SLF 7.62HP

Male plug with single compartment mating profile with 180° outlet direction as touch-safe solution for the reverse voltage in HP networks.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-5
- IEC: 1,000 V / 24 A / 0.5-2.5 mm²
- UL: 600 V / 20 A / AWG 20-12


Webcode #11472
SLF 7.62HP SH

Male plug with single compartment mating profile with 180° outlet direction as touch-safe solution for the reverse voltage in HP networks, with pluggable shield connection to the device metall housing.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 4
- IEC: 1,000 V / 24 A / 0.5-2.5 mm²
- UL: 600 V / 20 A / AWG 20-12


Webcode #01126
BLZ 7.62HP

Female plug with single compartment mating profile with 180° outlet direction and touch protection for HP networks.

- Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2-12
- IEC: 630 V / 29 A / 0.2-4 mm²
- UL: 600 V / 20 A / AWG 20-12

OMNIMATE® Power – PCB connectors

OMNIMATE® Power HP pitch 4 mm²



Webcode #01128

BLF 7.62HP

Female plug with single compartment mating profile with 180° outlet direction and touch protection for HP networks.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-12
- IEC: 1,000 V / 24 A / 0.5-2.5 mm²
- UL: 600 V / 20 A / AWG 20-12



Webcode #01136

BLL 7.62HP

Touch-safe female header with single compartment mating profile for the PCB with one-hand safety interlock.

- Female header
- Pitch: 7.62 mm
- Number of poles: 2-5
- IEC: 630 V / 24 A
- UL: 300 V / 20 A

OMNIMATE® Power HP pitch 10 mm²

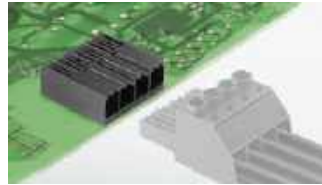


Webcode # 11473

SV-SMT 7.62HP

High temperature-resistant single-row male header for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2-5
- IEC: 1,000 V / 41 A
- UL: 300 V / 40.5 A



Webcode #01142

SV 7.62HP

High-performance single-row male header for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2-12
- IEC: 1,000 V / 41 A
- UL: 300 V / 40.5 A



Webcode#11474

SVD 7.62HP

Double-row high-current, high-performance pin headers for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 4-12
- IEC: 1,000 V / 47 A
- UL: 300 V / 30 A



Webcode # 11475

SVF 7.62HP

High-performance male plug with 180° outlet direction as a three-flange version for the housing feedthrough for TNC(S) networks.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-6
- IEC: 1,000 V / 41 A / 0.5-10 mm²
- UL: 600 V / 35 A / AWG 24-10

OMNIMATE® Power HP pitch 10 mm²

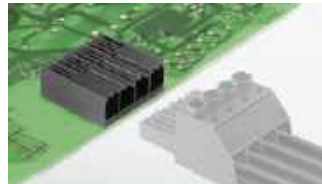


Webcode # 11476

SVFL 7.62HP

High-performance male plug with 180° outlet direction as a three-flange version for the housing feedthrough for TNC(S) networks.

- Wire-Ready PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-6
- IEC: 1,000 V / 41 A / 0.5-6 mm²
- UL: 600 V / 35 A / AWG 24-10



Webcode #01138

BVZ 7.62HP

High-performance female plug for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2-12
- IEC: 1,000 V / 41 A / 0.2-6 mm²
- UL: 600 V / 40.5 A / AWG 24-8

OMNIMATE® Power – PCB connectors

OMNIMATE® Power HP pitch 10 mm²



Webcode #11477

BVF 7.62HP

High-performance female plug with 180° outlet direction as a touch-safe solution for the power output for TNC(S) networks.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-7
- IEC: 1.000 V / 41 A / 0.5-10 mm²
- UL: 600 V / 35 A / AWG 24-8



Webcode #11478

BVFL 7.62HP

High-performance female plug with 180° outlet direction as a touch-safe solution for the power output for TNC(S) networks.

- Wire-Ready PUSH-IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-5
- IEC: 1.000 V / 41 A / 0.5-6 mm²
- UL: 600 V / 35 A / AWG 24-8



Webcode #11512

BVDF 7.62HP

Bus connector with two connections per pole with the time-saving 6mm² PUSH IN connection system

- Female header
- Pitch: 7.62 mm
- Number of Poles: 2-8
- IEC: 600 V / 46 A / 0.5 - 10 mm²
- UL: 600 V / 35 A / AWG 24 - AWG 8



Webcode #01148

BVL 7.62HP

High-performance female header for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Female header
- Pitch: 7.62 mm
- Number of poles: 2-7
- IEC: 1.000 V / 41 A
- UL: 300 V / 35 A

OMNIMATE® Power HP pitch 10.16 mm²



Webcode #01152

SU 10.16HP

High-performance single-row male header for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Male header
- Pitch: 10.16 mm
- Number of poles: 2-9
- IEC: 1.000 V / 76 A
- UL: 300 V / 60 A



Webcode #01154

SUZ 10.16HP

High-performance male plug with 180° outlet direction and high-strength contact system for TNC(S) networks.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2-9
- IEC: 1.000 V / 78 A / 0.2-16 mm²
- UL: 600 V / 54 A / AWG 24-6



Webcode #01150

BUZ 10.16HP

High-performance female plug with 180° outlet direction for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2-9
- IEC: 1.000 V / 78 A / 0.2-16 mm²
- UL: 600 V / 60 A / AWG 22-4



Webcode #01156

BUL 10.16HP

High-performance female header with 180° outlet direction and high-strength contact system for TNC(S) networks.

- Female header
- Pitch: 10.16 mm
- Number of poles: 2-4
- IEC: 1.000 V / 76 A
- UL: 300 V / 57 A

PUSH IN spring connection



Webcode #01158

PGK

Device feedthrough terminal blocks with disc design and intuitive locking for a quick and compact solution.

- PUSH IN spring connection
- Connection cross-section: up to 4 mm²
- IEC: 500 V / 32 A / 0.5-4 mm²
- UL: 300 V / 30 A / AWG 24-10

Clamping yoke screw connection



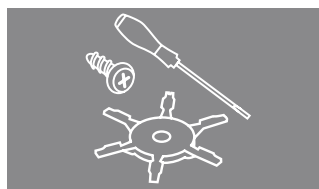
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WGK

High-current feed-through terminals as a universal solution to guide currents of various scales through the device wall.

- Clamping yoke screw connection
- Connection cross-section: 6 to 95 mm²
- IEC: 1.000 V / 232 A / 0.5-95 mm²
- UL: 600 V / 230 A / AWG 24-4/0

Accessories



Webcode #11463

Accessories

For Power feed-through terminals

OMNIMATE® Power – PCB- connector cross connection

OMNIMATE® Power bus and T-connector



Webcode #11513

PB 160

Modular current bar solution, for multi-axis servo amplifiers intermediate circuit and 24 V control voltage supply.

- Modular SNAP-IN bus system
- Tool less connection
- Number of poles: 2
- IEC: 1000 V / 160 A
- UL: 750 V DC / 160 A



Webcode #11512

BVDF 7.62HP

T-connector with two connections per pole with the time-saving 6 mm² PUSH IN connection system.

- Female header
- Pitch: 7.62 mm
- Number of Poles: 2-8
- IEC: 600 V / 46 A / 0.5 -10 mm²
- UL: 600 V / 35 A / AWG 24 - AWG 8

OMNIMATE® Housings

CH20M



Webcode # 11334

CH20M6

The tailor-made solution for a wide application spectrum. Fits in any terminal strip.

- Housing width: 6.1 mm
- Connection levels on each side: 4
- Connectable conductors: 8
- Connection technology reflow-compatible: yes
- Circuit board capacity: 1
- Variable circuit board positions: no



Webcode # 11335

CH20M12

The "small" option amongst the "large" housing solutions for compact electronics applications.

- Housing width: 12.5 mm
- Connection levels on each side: 3
- Connectable conductors: 12
- Connection technology reflow-compatible: yes
- Circuit board capacity: 1
- Variable circuit board positions: yes



Webcode # 11336

CH20M17

Ideal housing solution for compact standard electronics applications.

- Housing width: 17.5 mm
- Connection levels on each side: 3
- Connectable conductors: 18
- Connection technology reflow-compatible: yes
- Circuit board capacity: 1
- Variable circuit board positions: yes



Webcode # 11337

CH20M22

Standard format with optimal width for most typical electronics applications.

- Housing width: 22.5 mm
- Connection levels on each side: 3
- Connectable conductors: 24
- Connection technology reflow-compatible: yes
- Circuit board capacity: 1
- Variable circuit board positions: yes

CH20M



Webcode # 11338

CH20M45

Extra-large size for electronics applications that require more space, such as compact controllers and power supplies.

- Housing width: 45 mm
- Connection levels on each side: 3
- Connectable conductors: 48
- Connection technology reflow-compatible: yes
- Circuit board capacity: 2
- Variable circuit board positions: yes



Webcode # 11339

CH20M67

XXL size for those electronics applications that require lots of space, such as compact controllers and power supplies.

- Housing width: 67.5 mm
- Connection levels on each side: 3
- Connectable conductors: 72
- Connection technology reflow-compatible: yes
- Circuit board capacity: 3
- Variable circuit board positions: yes

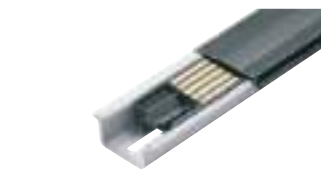


Webcode # 11436

Connection system CH20M

PCB terminal or male header and plug-in connectors for the CH20M housing.

- PUSH IN spring connection
- Clamping yoke screw connection
- Protection against mismatching of connections
- Grid: 5.00 mm
- Number of poles 1-4
- IEC: 400 V / 10 A / 0.25-2.5 mm²
- UL: 300 V / 10 A / AWG 26-12



Webcode # 11435

Tragschienenbus-System CH20M

Der durchgängige Tragschienenbus für das modulare Elektronikgehäuse-System

- für alle Gehäusebreiten durchgängig verwendbar
- einfache Integration in die TS35 Tragschiene
- Reflow-lötfähige BUS-Kontakte

MICROBOX



Webcode # 11434

Small enclosure with 6 screw and tension clamp connections

- Clamping yoke screw connection for conductors up to 2.5 mm²
- Tension clamp connection for conductors up to 1.5 mm²
- Vibration-resistant contacts
- Vibration-free terminal rail mounting
- Enclosure wall clipped on securely

TERMINALBOX



Webcode # 11433

Small housing with 4 to 6 connection, in screw-connection and tension-clamp versions

- Versatile arrangements of circuit boards and transparent top plate for clear, permanent labelling
- Cover plates for sealing the enclosure
- Compatible with terminal rails TS32 and TS35

Modular housings of profile form series RS



Webcode # 11432

Modular housings of profile form

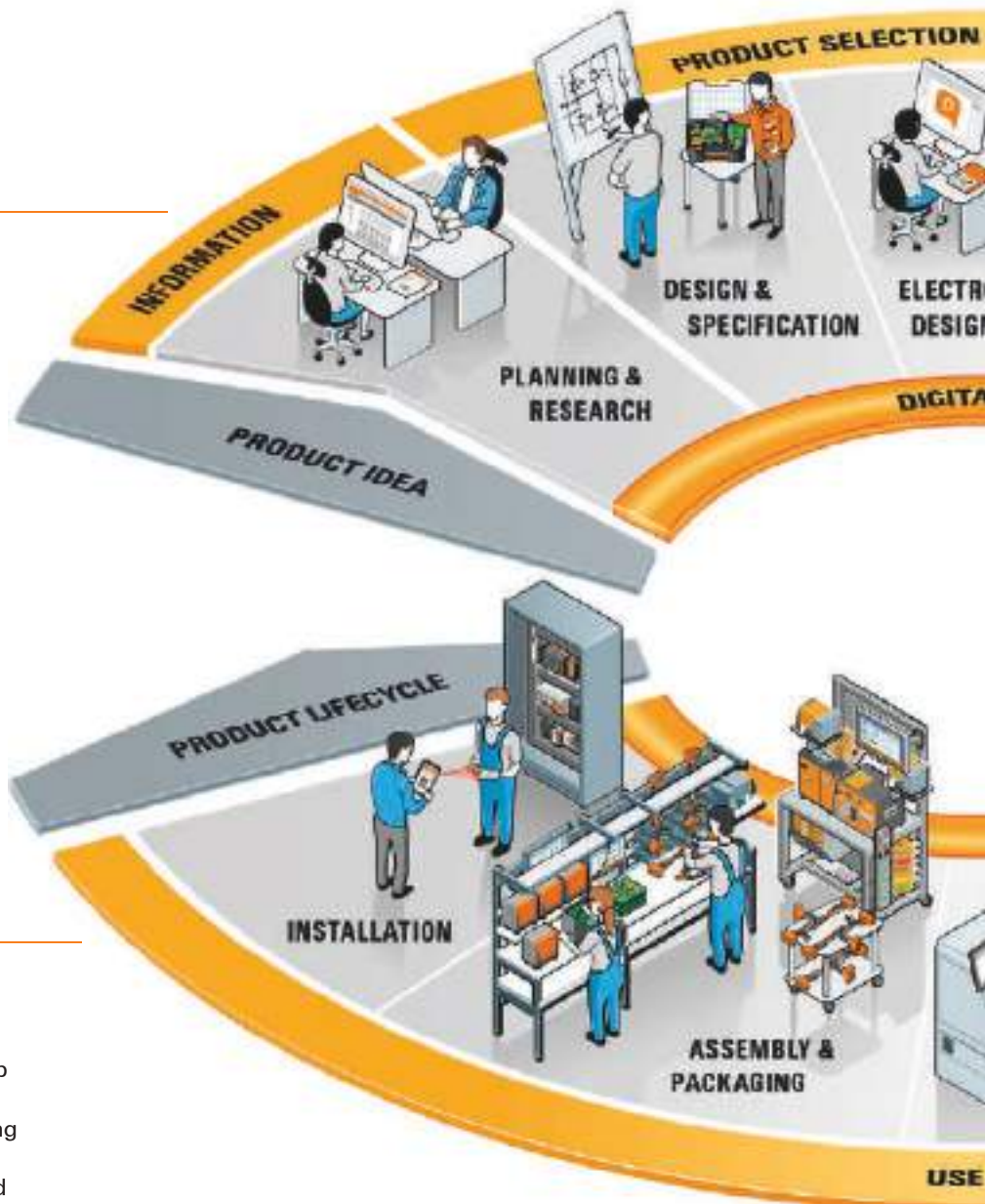
- PCB width 45 mm - 122 mm
- Variable heights
- Different installation variations
- Solid hoods
- Can be individually cut to length

Services & products in use

Services & products in use	Service	A.2
	AppGuide - Products in use	A.10

Device developments designed with unique efficiency OMNIMATE® during a typical device development phase

Efficient planning and design-in processes save you valuable time in product development. In addition to our PCB components, we offer a wide range of support tools and services.



Information

We support you with specialist expertise and detailed information. Do you have any questions about device development in accordance with UL 600 V or would you like to find out about the benefits of PUSH IN technology? Our white papers and webinars provide you with comprehensive, compact and useful information.

Webcode #11358



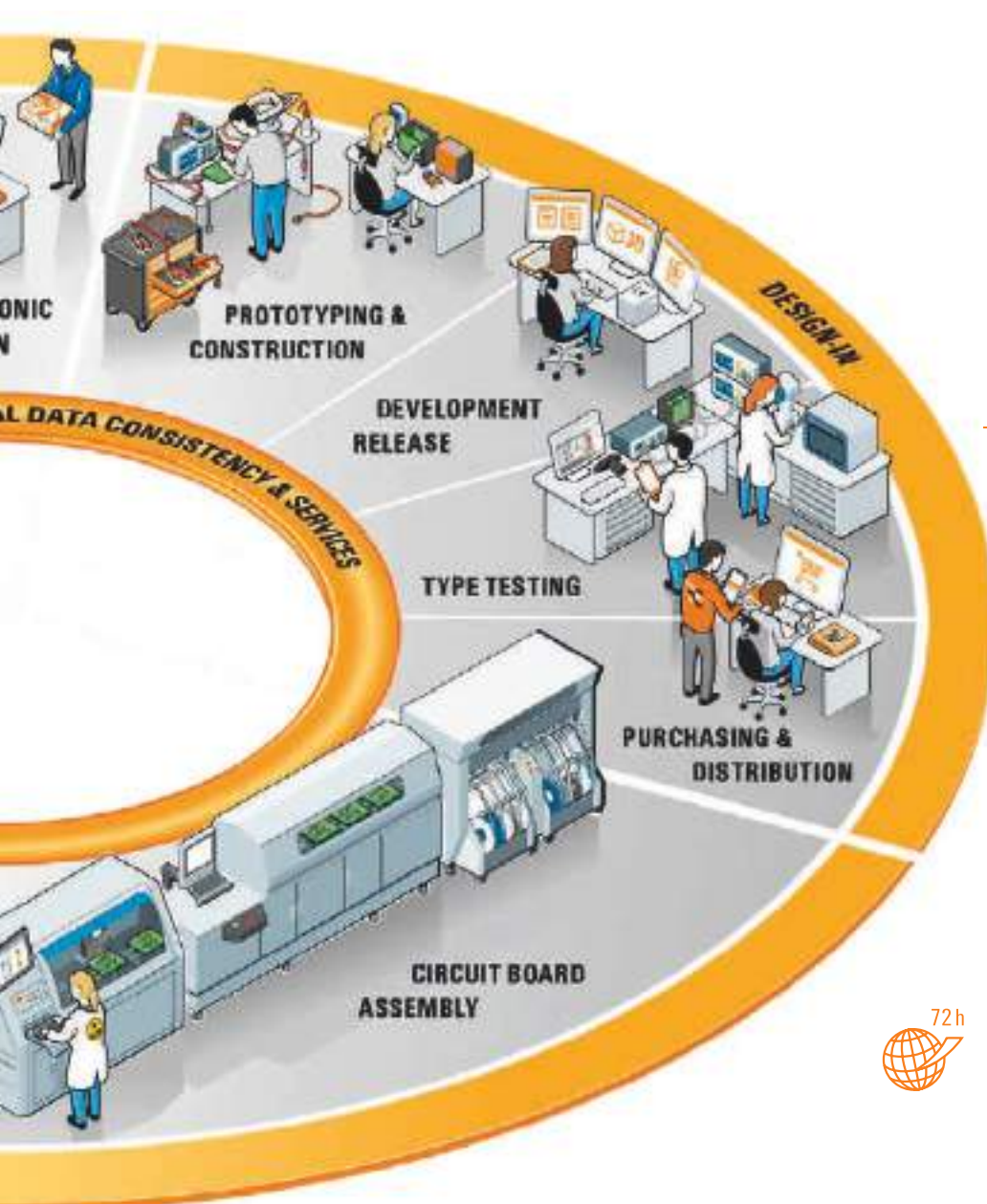
Use

Your information edge: Our handling videos provide you step by step with useful information and important details on handling the various products. This makes the design-in process and installation even easier, safer and more pleasant for you.

Webcode #11536

24/7 Online-Services

The right know-how at any time, helpful support and reliable services for your device development.
www.weidmueller.com/omnimate-services



Product selection

Precise product recommendations just one click away: Our AppGuide supports you in a simple and targeted way. Simply select the required device application and the AppGuide recommends to you the suitable connection solutions for the different functions of your device.

Webcode #01170



Design-in support

You can adapt PCB terminals, connectors and electronics housings to your application, as required, using our online configurators. With the sample service, your personal design-in sample is in your hands within just 72 hours. Free of charge and worldwide.

Webcode #01162

Your requirements for individual components

Our product configurators for more design freedom

Product configurator for device connection technology

Whenever you are looking for the right connection technology, the product configurator for device connection technology enables the quick selection and adaptation of terminals and plug connectors according to component specifications and application requirements.



Stored data packages

- Ordering data
- Dimensions and weights
- System specifications
- Material data
- Connection system data
- Rating and nominal data
- Classifications
- Approvals



Customised colours



Process-compatible packaging



Clear labelling



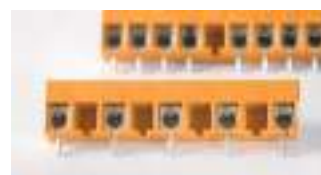
Application-oriented surfacing systems



Optimised pin lengths



Distinctive coding



Custom assembly

Product configurator for electronic housings

Weidmüller's innovative CH20M housing system allows us to provide the best platform to fit your custom requirements – for whatever electronics application you are planning. Configure custom-fit housings according to your requirements from our line of connectivity, housing, and accessory components.



Webcode
#11343



Customised colours



Clear labelling



Custom assembly



Dimensions of the circuit board



User-friendly mounting rail connection



Pin lengths optimized for the process



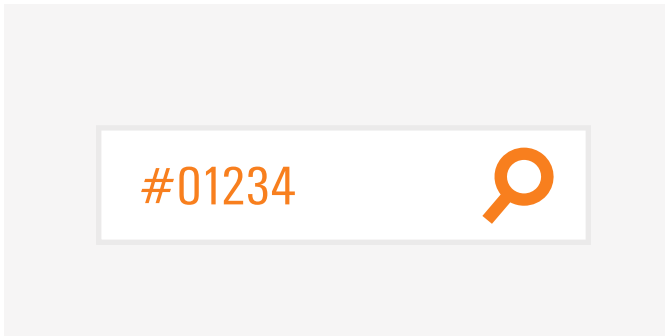
Process-compatible packaging

Many ways lead to the right product

Our online services as process-optimisation tools

There is more than one route to the final layout. Our support concept will assist you in all of your search and selection options.

Weidmüller has fundamentally re-designed the selection and ordering process for device connectivity in a way that better suits your application. In the future, there'll no longer be just the one path to the right product; there'll just be the right path: yours.



Webcode selection

For an application, you need certain specifications for certain products. Our new webcode allows you to go directly to the relevant products: simply choose the required product from the following pages and enter the hashtag with five-digit code on our website, and you'll be directed to the relevant details.

www.weidmueller.com



The AppGuide

When working with applications, you'll need to find ways of successfully implementing your ideas. Simply select your device application in our AppGuide, and we will recommend a range of products for all the different functions of your device.

Webcode #01171



Specification filters

In our online catalog in the area of device connectivity, you filter the right product in seconds using your product and application requirements.

Webcode #11534

#11530

#01028

#01052

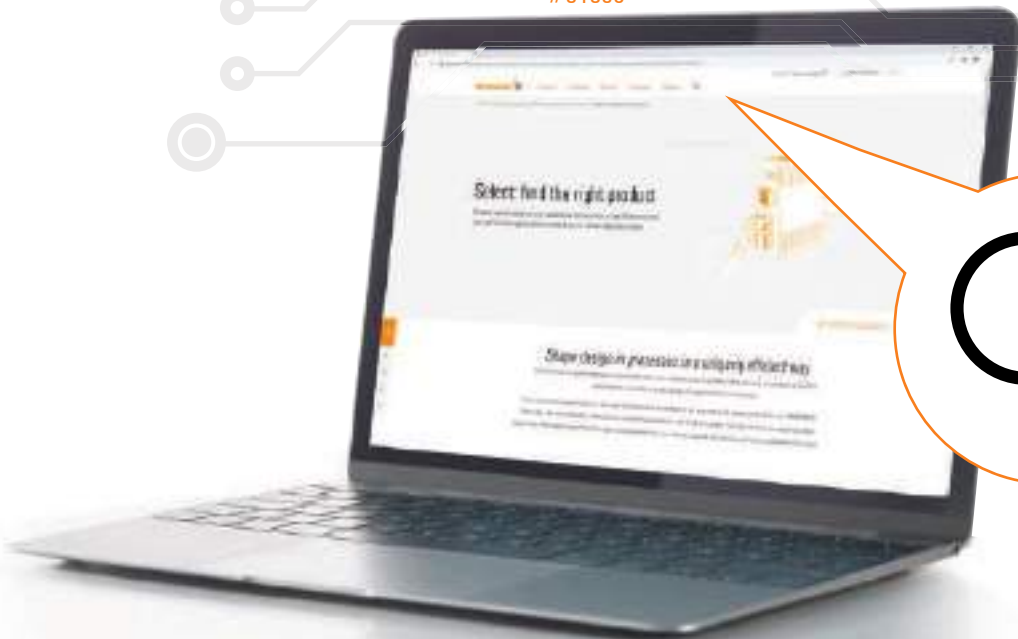
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#01056



Webcode: the hashtag for easy product searching

A hashtag followed by five digits – that's all you need to find out detailed information about the products in our wide-ranging portfolio. Entering the sequence of characters activates certain product groups or an individual product.

Where can I find the webcode?

Next to the product, either in this brochure or online.

Where do I enter the webcode?

Just enter the code into the search screen on our website. *

Where will I be directed to once I've entered the webcode?

You'll be taken to the product specifications and technical details, as well as additional info and downloads.

* Note: Make sure that the pop-up blocker settings are disabled

From concept to prototype in just 72 hours

A

You prefer to implement your ideas for PCB and device designs directly. We share your passion. Try our unique, on-demand, 72-hour sample service and see how great it is.

When designing PCBs and devices, development engineers eventually reach the point when they have to find the ideal connectivity components for their applications.

With Weidmüller's sample service, you won't lose any time; within 72 hours, Weidmüller delivers samples of your device connection components and electronics housing to you, wherever you are located.

The path from our sample stock to your designers workplace is simple and begins with Weidmüller's online catalogue. Here, searchers will find 2,500 products in the area of device connectivity and can select up to 25 samples.

Just a click of the mouse on the new "Order sample" button initiates the delivery process – from Weidmüller's warehouse to you, anywhere in the world.

Available for order online

Select your sample directly from the OMNIMATE® online catalogue. www.sample-service.com



Best-in-class service

Our service team is ready to respond to any enquiry. You benefit from our best-in-class customer service.

This is how to get your design-in sample:

Simply go to the Weidmüller online catalogue or www.sample-service.com. Find the ideal OMNIMATE® component there, enter your contact information and send in your order. Done! We'll deliver your design-in sample to any location.



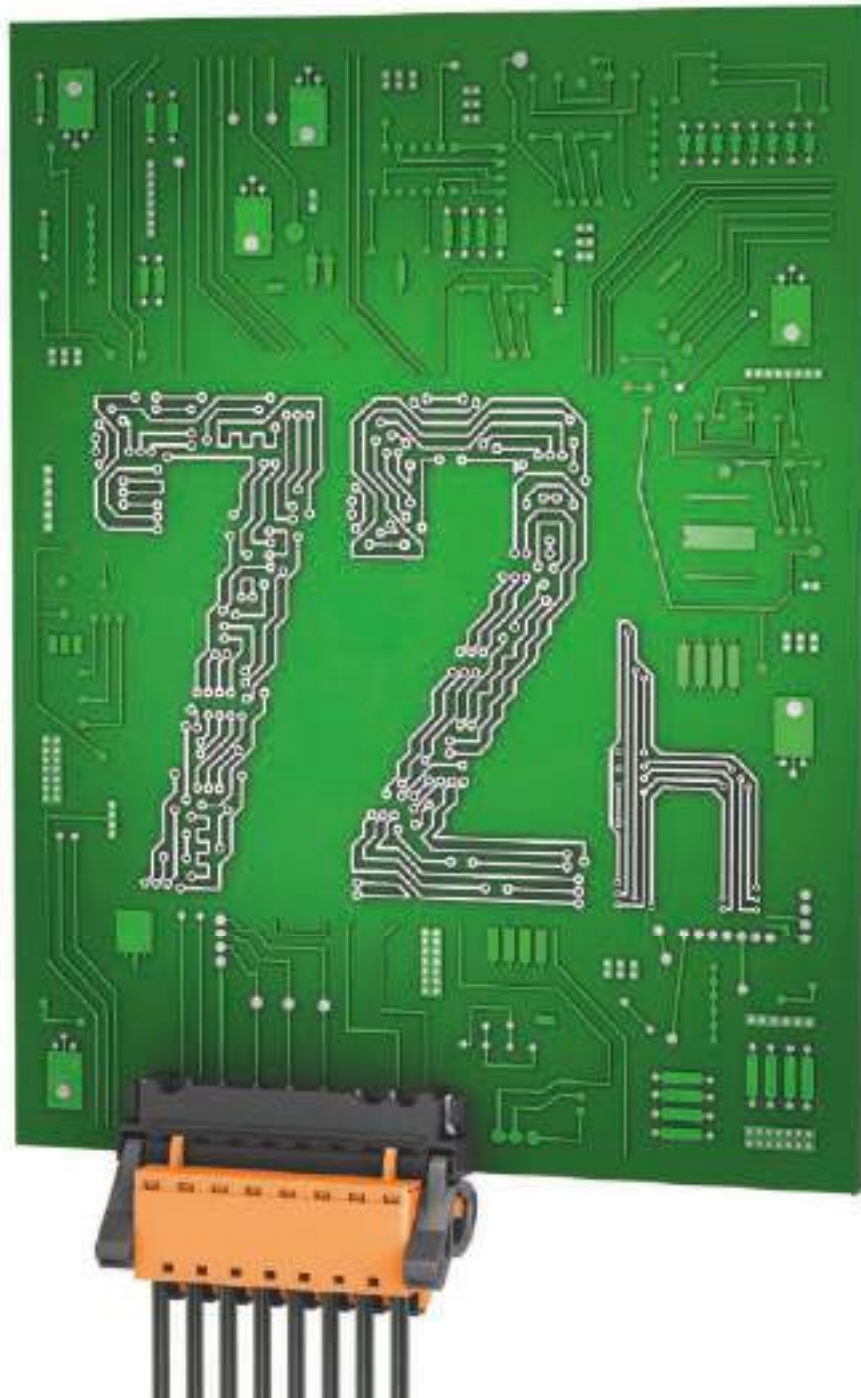
Large selection of products

Choose your samples from more than 2,500 items in the OMNIMATE® product portfolio.



At your workplace in 72 hours

You will receive your samples no later than 72 hours after placing the order. Track your samples using your individual tracking number.



Your device application

Our AppGuide for device developers

A

Based on your application, the AppGuide will show you a representative range of products for the different functions of your device.

The overview will show you the application as you know it. Move the cursor over the markings to find out information on the connection technology for sub-assemblies and components. And it's just a few more clicks from here to your desired product.



AppGuide

Simply select your device application in our AppGuide, and we will recommend a range of products for all the different functions of your device.

www.weidmueller.com/appguide



1. Open the AppGuide

Go to: www.weidmueller.com/appguide or use the **Webcode #01171**

2. Select the application

Hotspots will show you the way to our recommended products

Go directly to your application with the webcode



Industrial controls



Drive controllers and regulators



Devices of machine safety



Analogue signal converter



Photovoltaic inverter



Power supply



Radio base stations



Heating electronics



Building security equipment



LED lighting systems



Elevator electronics devices



Smart Meter



Industrial IoT Network



Charging infrastructure for e-mobility



3. Select product group

Use the hotspots to find the perfect products for your applications



4. Receive the product

Configure your selection and use the available functions of our online catalogue

An example of the OMNIMATE® Signal device connection method used in an industrial control application.

A

The trend in industrial automation technology is towards space-saving, cost-effective design. This results in higher density in the controls and individual components. At the same time, cost pressure and the demands of plant safety also increase. Furthermore, standards across all industries have to be complied with and automation know-how must be kept in tip-top shape.

We have been closely monitoring developments in electrical engineering and processing through all their stages and our range of products meets the trends and in many cases anticipates them. One example is our pin headers, which were optimised for the automated assembly and reflow soldering processes in advance. We are specialists in industrial connectivity. With an eye on practical application, we can support you in all your needs for automation and systems technology (measurement, industrial process and control technology), particularly in the areas of sensor actuator interfaces and power supplies.

We think you will be very pleased with our broad spectrum of products, particularly those in the OMNIMATE® family. You have a choice of device connectivity products which you can trust to be perfectly suited to your application needs. Our customer service staff is on hand to advise you in the selection process. In addition, our online configurator, located on our website, can help you put together your own entire product from the comfort of your computer. You can also find a 3D CAD tool for your product development free of charge under our Downloads section online. To round off our service, we offer our unique, on-demand 72-hour sample service, which ensures that you get the sample you request directly on site within three days.



Power supply & peripherals
PCB terminals and connectors, in 5.08 pitch, with PUSH IN or screw wire connections

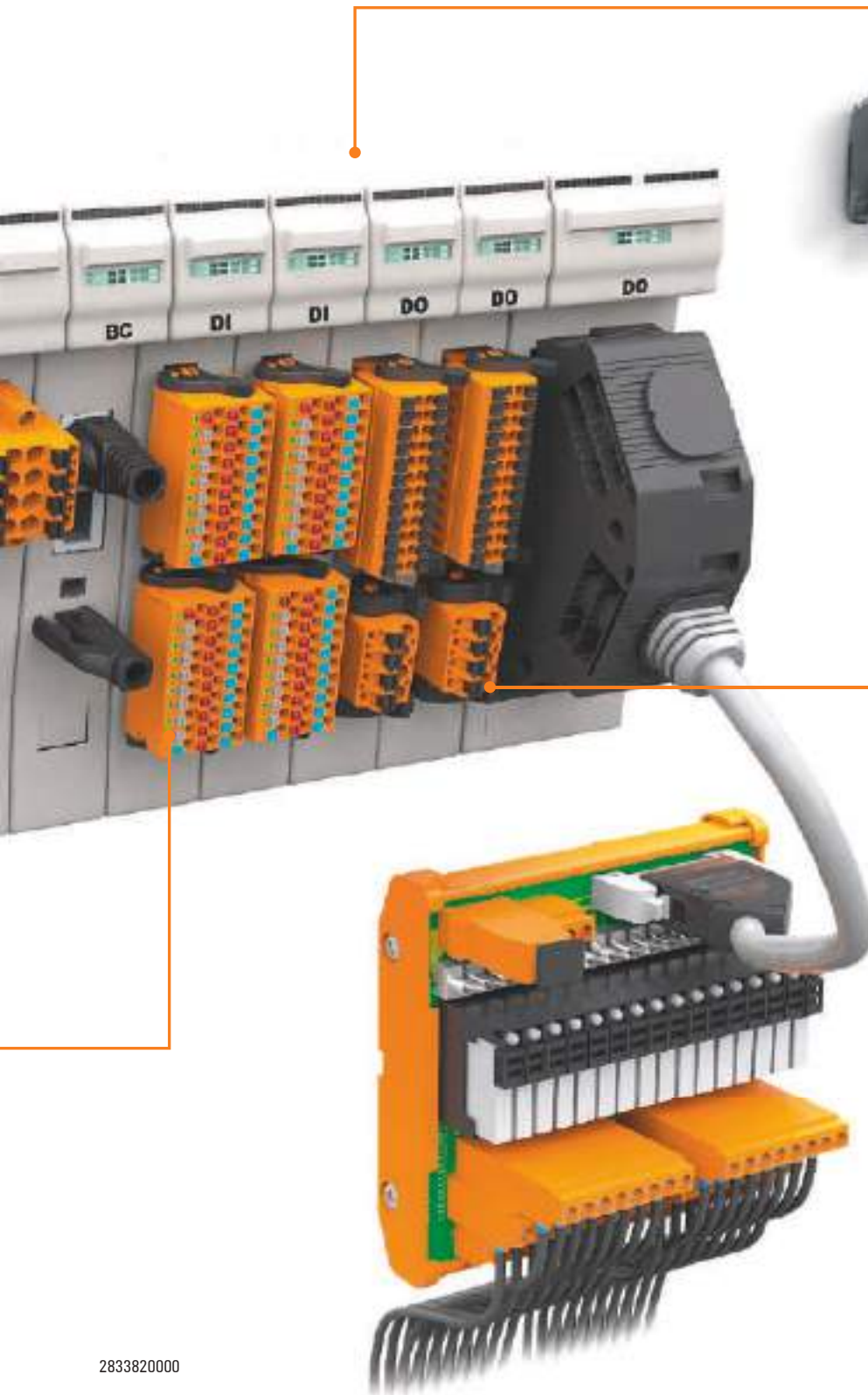


Input card
PCB BL-I/O plug-in connectors with PUSH IN connections for the most compact solution



Housings

CH20M electronic component housing in module widths of 6 mm to 67.5 mm



Output card

Compact B2CF 3.5 mm PCB plug-in connectors in two rows of PUSH IN connection



An example of the OMNIMATE® Power device connection method in a frequency converter application.

Semiconductor technology for power electronics has progressed at a steady pace in the last few years enabling more complex drive controllers to be manufactured, e.g. for rotational speed controllers or for precise positioning systems. So it's more important than ever to take advantage of connection technology that you can trust now and in the future.

We specialise in industrial connectivity; our connectivity solutions for the power electronics sector are backed by our comprehensive, real-world expertise. We understand the extremely demanding requirements for the servo-controllers and frequency inverters that are common in this business. Voltages of 400 to 690 V (according to IEC) and 600 V (according to UL), and up to 1,000 V in DC circuits, are not uncommon for such equipment. That is why you require high current-carrying capacity implemented in the most compact space possible. We can provide superior connectivity solutions to meet these challenging requirements.

You will be impressed with the vast range of our OMNIMATE® product line. Our OMNIMATE® Signal, OMNIMATE® Power, OMNIMATE® Housings and FieldPower® series offer you a choice range of products and the ideal connectivity solution for your application. We also support you with free 3D CAD files, which can be downloaded from the Weidmüller Online Configurator. In addition our unique, convenient and quick 72-hour OMNIMATE® sample service guarantees your design project stays on schedule. This service is convenient and quick to use – you receive the requested samples within 72 hours.

Network connection

Industry compliant plugs and sockets with the innovative Single Pair Ethernet technology.



Motor connection compact

Modular and hybrid system for the construction of connectors for data, signals and power. Fast, secure and tool-free wiring thanks to the unique SNAP IN connection.



Safety circuit / External I/Os

PCB terminals and connectors with PUSH IN or screw connection



Intermediate circuits (DC-Link)

Device feedthrough terminals for direct connections, PCB terminals, connectors carrying high voltages safely



Power supply

High-performance connectors and terminals for circuit boards; terminals for feeding through housing walls



Motor connections

Convenient and standardised motor connections: hybrid motor plugs, soldered feedthrough terminals and PCB terminals blocks



Industrial IoT network as a reference for OMNIMATE® Data device connection technology

Ethernet devices such as switches, safety routers or IoT gateways are perfect communication components within an industrial network. For simple to complex real-time networks in plant and machine construction, different categories of devices are used. They form a perfect platform in the industrial environment and its connection to superordinate office networks and cloud services. In order for the communication between Ethernet-capable devices to function smoothly, high-performance connectors are required that can withstand the high requirements in terms of EMC and temperature resistance.

Service Interface

Standardized connectors such as the USB or D-SUB (RS-232) for serial interfaces.



Ethernet-Ports

High-performance connectors for data transmission including a wide range of Single Pair Ethernet products for miniaturization and future security.



Input and output signals

PCB terminal blocks and connectors with a pitch of 3.50 to 5.08 mm with PUSH IN connection and high packing density



Power Supply

Intuitive connectors with visual connection indicators or supply of neighbouring components by means of cross-connections.



Internal board connection

Industry-compatible board-to-board connectors, which are specially designed for the fully automatic assembly process, ensure flexible and at the same time stable connections between circuit boards in the device.



OMNIMATE® 4.0

OMNIMATE® 4.0	Explanation	B.2
	Quick selection	B.8
	Connectors in 5.00 mm pitch Series MHS / MPS 5.00 - Connection up to 2.50 mm ²	B.10
	Connectors in 7.50 mm pitch Series MHS / MPS 7S - Connection up to 4 mm ²	B.15
	Hybrid connectors with 7.50 mm and 5.00 mm pitch Series MHS / MPS 7S/..5/.. - Connection up to 4 mm ²	B.20
	Hybrid connector with 5.00 mm pitch incl. Single Pair Ethernet Series MHS / MPS 5/.. D11 - Connection up to 2.50 mm ²	B.22
	Hybrid connectors with 7.50 mm and 5.00 mm pitch incl. Single Pair Ethernet Series MHS/MPS 7S/..5/..D11 - connection up to 4 mm ²	B.25

The business booster for next generation devices

OMNIMATE® 4.0 – Fast. Flexible. Digital.

The demands on the development of electrical devices are constantly increasing. This leads to higher complexity and challenges device developers. OMNIMATE® 4.0 is the efficient solution for a continuous, digitalised device development process for the connected world of tomorrow.

The modular product concept of OMNIMATE® 4.0 enables flexible configuration and ordering via the Weidmüller Configurator (WMC). This enables even highly individual products to be shipped within 3 days – from samples to product series. The innovative SNAP IN connection technology allows even flexible conductors without ferrules to be connected easily without tools. An indicator signals the secure connection both acoustically and visually.

3 Days Availability

All products are ready for dispatch within 3 days – even individually configured products



Maximum wiring speed

Unique SNAP IN connection for particularly fast, safe and tool-free wiring



Highest flexibility for your application

The Weidmüller Configurator (WMC) enables unlimited combination possibilities of the modular connector for power, signal and data transmission

**Future-proof**

Platform-Connector with integrated functions like Single-Pair Ethernet or smart connectors with related digital twin



SNAP IN connection solution for the next generation devices

OMNIMATE® 4.0 – Fast. Flexible. Digital.

B

OMNIMATE® 4.0 provides a flexible, future-proof product portfolio with unlimited variations. The modular design allows fast configuration of interfaces for transmitting data, signals and power, even in a single hybrid connector. For the first time, the innovative SNAP IN connection technology is used in device connectors, revolutionizing the wiring of devices. Even flexible conductors without ferrules can be connected intuitively and without tools - even in fully automated wiring processes.

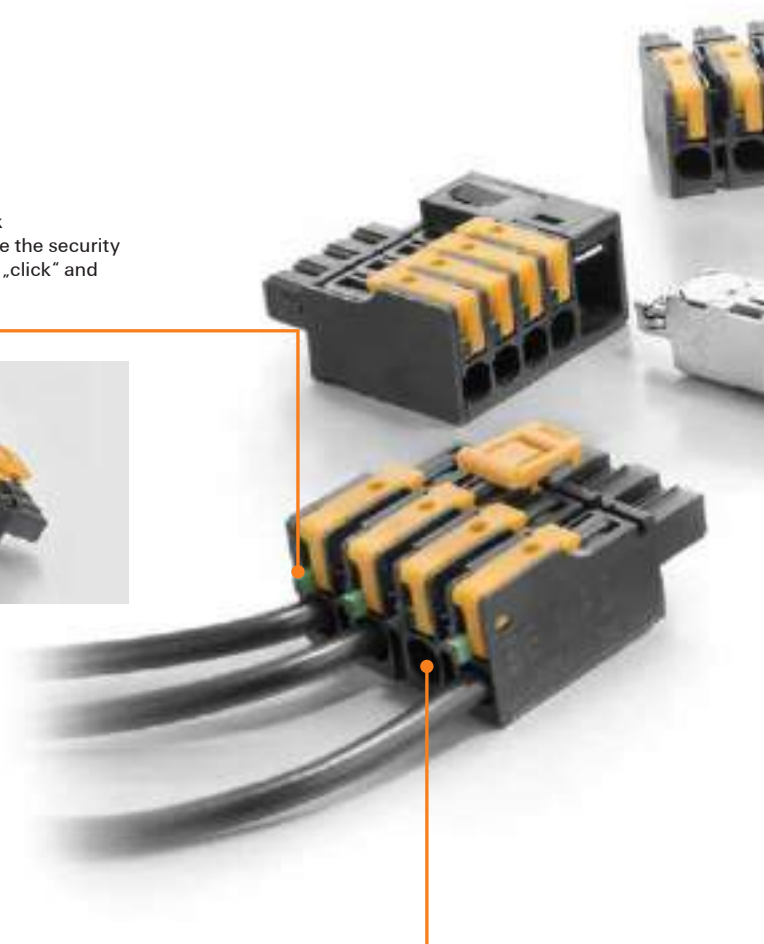
Hearable and visible feedback

The visual safety indicator increase the security of the proper wiring by a hearable „click“ and visible green indication



Wire-ready & Ready-to-Robot

Thanks to the innovative SNAP IN connection technology flexible conductors can be connected directly & tool-free in record time – even in fully automated wiring processes



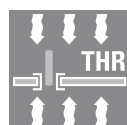
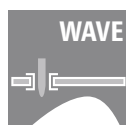
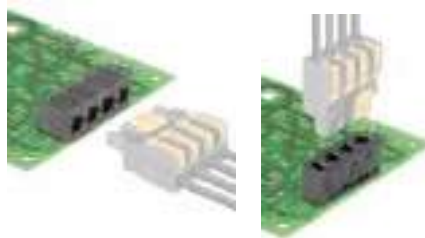
Easy and intuitive handling

Complete tool-less handling thanks to the lever for re-wiring and the one-hand usable top-fixation for preventing undesired disconnection



Process- & Automation-Ready

High performance material for different soldering methods like THT or THR with precise pin tolerances and automation-ready packaging



The efficient solution for a digitalised device development process

OMNIMATE® 4.0 – Fast. Flexible. Digital.

B

You are looking for a specific solution perfectly fitting to your individual devices and their requirements.

The modular product concept of OMNIMATE® 4.0 enables flexible configuration and request via the Weidmüller Configurator (WMC). The software tool significantly reduces your efforts and speeds up your engineering processes from product specification to the individual offer within minutes. Digital engineering can be as simple as that.



Full design-in support

From product recommendations in the AppGuide to fast available samples within 3 days to the support of installation with handlings videos – our OMNIMATE® services reduce your Design-In efforts

Fastest availability

Don't lose your time: Your individual offer for a configuration is ready within minutes and all products are ready to dispatch within 3 days



Create your own configuration





The Weidmüller Configurator (WMC) reduce your engineering efforts: Combine power, signal and data modules to your individual product and design the marking with a few clicks

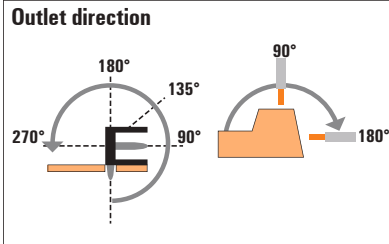
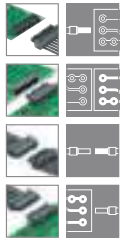
**Time-saving engineering data**

Comprehensive data sheets, individual drawings and 3D models plus prepared EDA data for PCB layout - OMNIMATE® 4.0 brings the full design-in support for mechanical and electrical engineering



<http://www.OMNIMATE.net>

-  = Wire-to-Board
-  = Board-to-Board
-  = Wire-to-Wire
-  = Board-to-Wire



MPS/MHS series



Type	Pitch	Outlet direction	Fixation options	IEC / UL
------	-------	------------------	------------------	----------

		Spring SNAP IN						
Female plug		MPS 5/.. S..	5.00 mm	180°	Optional top fixation (F)	IEC: 400 V / 26.8 A / 0.5 - 4 mm ² UL: 300 V / 18.5 A / AWG 20 - AWG 12		
		MPS 7S - S	7.50 mm	180°	Optional top fixation (F)	IEC: 1000 V / 26.8 A / 0.5 - 4 mm ² UL: 600 V / 18.5 A / AWG 20 - AWG 12		
		MPS 7S/.. -5/.. S	Hybrid 7.50 mm + 5.00 mm	180°	Optional top fixation (F)	IEC: 1000 V / 26.8 A / 0.5 - 4 mm ² UL: 600 V / 18.5 A / AWG 20 - AWG 12		
		MPS 5/.. D11 S	Hybrid 5.00 mm + SPE	180°	Optional top fixation (F)	IEC: 400 V / 26.8 A / 0.5 - 4 mm ² UL: 300 V / 18.5 A / AWG 20 - AWG 12		
		MPS 7S/.. -5/.. D11 S	Hybrid 7.50 mm + 5.00 mm + SPE	180°	Optional top fixation (F)	IEC: 1000 V / 26.8 A / 0.5 - 4 mm ² UL: 600 V / 18.5 A / AWG 20 - AWG 12		

Plug



Reflow solder connection



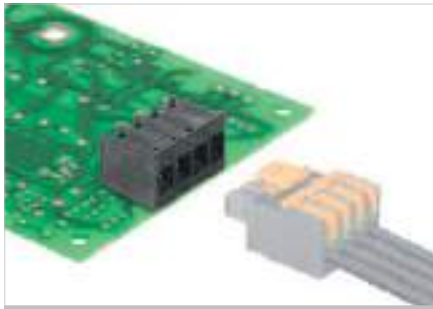
	MHS 5/.. H	MHS 5/.. V	MHS 5/.. W	MHS 7S/.. H	MHS 7S/.. V	MHS 7S/.. W	MHS 7S/..-5/.. H	MHS 5/.. D11 H	MHS 7S/..-5/.. D11 H
	5.00 mm	5.00 mm	5.00 mm	7.50 mm	7.50 mm	7.50 mm	Hybrid 7.50 mm + 5.00 mm	Hybrid 5.00 mm + SPE	Hybrid 7.50 mm + 5.00 mm + SPE
	90°	180°	270°	90°	180°	270°	90°	90°	90°
	Compatible with top fixation	Compatible with top fixation	Compatible with top fixation	Compatible with top fixation	Compatible with top fixation	Compatible with top fixation	Compatible with top fixation	Compatible with top fixation	Compatible with top fixation
	IEC: 400 V / 26.8 A UL: 300 V / 18.5 A	IEC: 400 V / 25.3 A UL: 300 V / 18.5 A	IEC: 400 V / 26.8 A UL: 300 V / 18.5 A	IEC: 630 V / 26.8 A UL: 300 V / 18.5 A	IEC: 630 V / 25.3 A UL: 300 V / 18.5 A	IEC: 630 V / 26.8 A UL: 300 V / 18.5 A	IEC: 630 V / 26.8 A UL: 300 V / 18.5 A	IEC: 400 V / 26.8 A UL: 300 V / 18.5 A	IEC: 630 V / 26.8 A UL: 300 V / 18.5 A
	○	○	○						
				○	○	○			
							○		
								○	
									○

Connectors in 5.00 mm pitch
Series MHS / MPS 5.00 - Connection up to 2.50 mm²

OMNIMATE® 4.0

B

MHS 5 - horizontal



Modular male headers in 5.00 mm pitch with 90° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 90° outgoing elbow for horizontal PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available prepared engineering data (EDA)

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG		-
General data			
Type of insulation material		PA 9T	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 1.0	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 26.8 A
 UL: 300 V / 14 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

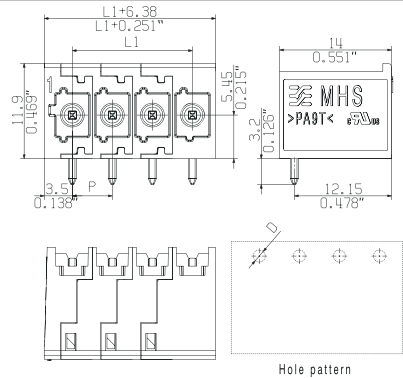
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MHS 5/.. H T3 B T

Tube packaging



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	48	2741400000
3	10.00	0.394	33	2741420000
4	15.00	0.591	25	2741430000
5	20.00	0.787	20	2741440000
6	25.00	0.984	17	2741450000
7	30.00	1.181	15	2741460000
8	35.00	1.378	13	2741470000
9	40.00	1.575	11	2741480000
10	45.00	1.772	10	2741490000
11	50.00	1.969	9	2741500000
12	55.00	2.165	8	2741510000

5.00

90°

MHS 5 - vertical



Modular male headers in 5.00 mm pitch with 180° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 180° outgoing elbow for vertical PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available prepared engineering data (EDA)

Product data

IEC: 400 V / 25.3 A
UL: 300 V / 14 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

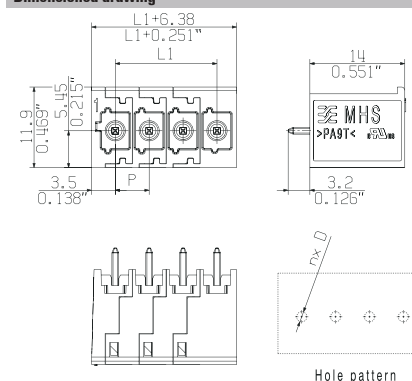
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MHS 5/.. V T3 B T

Tube packaging



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with ferrule collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	25.3	21.8
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG		-
General data			
Type of insulation material		PA 9T	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 1.0	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Ordering data

Solder pin length		3.2 mm	
Colour		black	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	48 8000072425
3	10.00	0.394	33 8000072430
4	15.00	0.591	25 8000072431
5	20.00	0.787	20 8000072435
6	25.00	0.984	17 8000072438
7	30.00	1.181	15 8000072450
8	35.00	1.378	13 8000072453
9	40.00	1.575	11 8000072454
10	45.00	1.772	10 8000072456
11	50.00	1.969	9 8000072461
12	55.00	2.165	8 8000072470

Connectors in 5.00 mm pitch
Series MHS / MPS 5.00 - Connection up to 2.50 mm²

OMNIMATE® 4.0

B

MHS 5 - horizontal inverted



Modular male headers in 5.00 mm pitch with 270° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 270° outgoing elbow for horizontal inverted PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available prepared engineering data (EDA)

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG		-
General data			
Type of insulation material		PA 9T	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 1.0	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 26.8 A
 UL: 300 V / 14 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

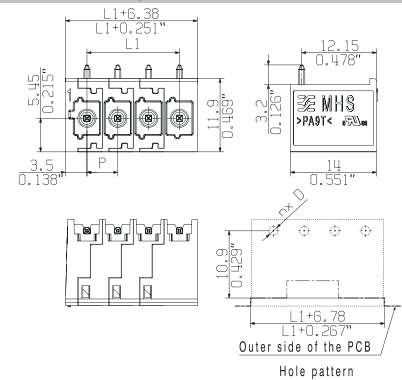
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MHS 5/.. W T3 B T

Tube packaging



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	48	8000072497
3	10.00	0.394	33	8000072503
4	15.00	0.591	25	8000072506
5	20.00	0.787	20	8000072508
6	25.00	0.984	17	8000072509
7	30.00	1.181	15	8000072510
8	35.00	1.378	13	8000072511
9	40.00	1.575	11	8000072512
10	45.00	1.772	10	8000072513
11	50.00	1.969	9	8000072514
12	55.00	2.165	8	8000072515

5.00

270°

MPS 5 - straight



OMNIMATE® 4.0 signal connectors combine three innovations in one product: the fastest connection technology SNAP IN, a modular product design with flexible configuration options, and the fastest possible delivery.

- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Tool-free rewiring via lever operation
- Individual color and font marking in the configurator

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.5...2.5	
Solid core H05(07) V-U	mm ²	0.5...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	9	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	18-14	
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG	-	
General data			
Type of insulation material		PBT GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 26.8 A / 0.5 - 4 mm²
UL: 300 V / 14 A / AWG 18 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

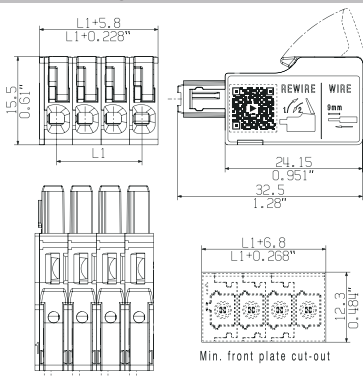
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MPS 5/.. S TN B

Box packaging



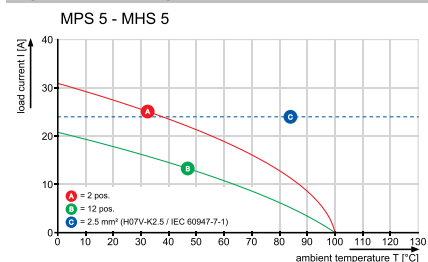
Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch 5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	168	2741560000
3	10.00	0.394	114	2741570000
4	15.00	0.591	84	2741580000
5	20.00	0.787	72	2741590000
6	25.00	0.984	60	2741600000
7	30.00	1.181	48	2741610000
8	35.00	1.378	42	2741620000
9	40.00	1.575	36	2741630000
10	45.00	1.772	36	2741640000
11	50.00	1.969	30	2741650000
12	55.00	2.165	30	2741660000

Representative deratings curve

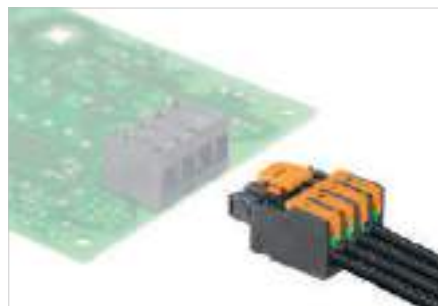


Connectors in 5.00 mm pitch
Series MHS / MPS 5.00 - Connection up to 2.50 mm²

OMNIMATE® 4.0

B

MPS 5 - straight, top flange



OMNIMATE® 4.0 signal connectors combine three innovations in one product: the fastest connection technology SNAP IN, a modular product design with flexible configuration options, and the fastest possible delivery.

- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Tool-free operation thanks to lever and top fixation
- Individual color and font marking in the configurator

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.5...2.5	
Solid core H05(07) V-U	mm²	0.5...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	9	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	18-14	
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG	-	
General data			
Type of insulation material		PBT GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

5.00

180°

2.5 mm²

Product data

IEC: 400 V / 26.8 A / 0.5 - 4 mm²
 UL: 300 V / 14 A / AWG 18 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

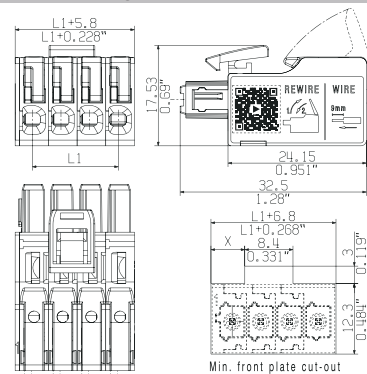
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MPS 5/.. S F.. TN B

Box packaging



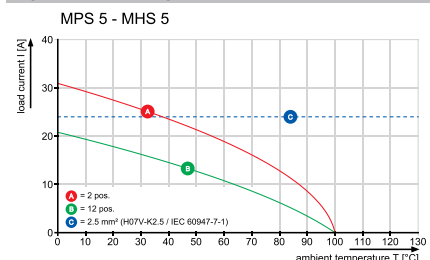
Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch 5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	168	2741670000
3	10.00	0.394	114	2741680000
4	15.00	0.591	84	2741690000
5	20.00	0.787	72	2741700000
6	25.00	0.984	60	2741710000
7	30.00	1.181	48	2741720000
8	35.00	1.378	42	2741730000
9	40.00	1.575	36	2741740000
10	45.00	1.772	36	2741750000
11	50.00	1.969	30	2741760000
12	55.00	2.165	30	2741770000

Representative deratings curve



MHS 7S - horizontal



Modular male headers in 7.50 mm pitch with 90° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 90° outgoing elbow for horizontal PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available prepared engineering data (EDA)

Product data

IEC: 630 V / 26.8 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

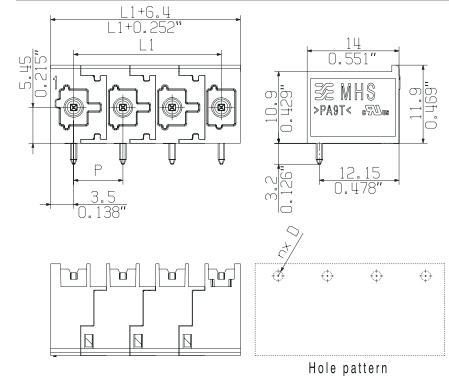
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4±0.1mm
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MHS 7S/.. H T3 B T

Tube packaging



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	400	500 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300 300
Rated current	A	18.5	18.5 10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG		-
General data			
Type of insulation material		PA 9T	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 1.0	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Ordering data

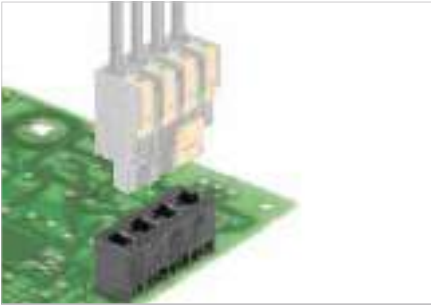
Solder pin length		3.2 mm		
Colour		black		
Pitch		7.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	39	8000078306
3	15.00	0.591	25	8000078308
4	22.50	0.886	19	8000078309
5	30.00	1.181	15	8000078310
6	37.50	1.476	12	8000078311
7	45.00	1.772	10	8000078312
8	52.50	2.067	9	8000078313

Connectors in 7.50 mm pitch
Series MHS / MPS 7S - Connection up to 4 mm²

OMNIMATE® 4.0

B

MHS 7S - vertical



Modular male headers in 7.50 mm pitch with 180° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 180° outgoing elbow for vertical PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available prepared engineering data (EDA)

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	21.8
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	400	500 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300 300
Rated current	A	18.5	18.5 10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG		
General data			
Type of insulation material		PA 9T	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 1.0	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 630 V / 26.8 A
 UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

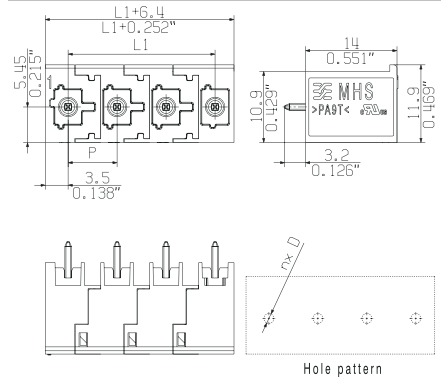
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4±0.1mm
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MHS 7S/.. V T3 B T

Tube packaging



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch		7.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	39	8000078314
3	15.00	0.591	25	8000078315
4	22.50	0.886	19	8000078316
5	30.00	1.181	15	8000078317
6	37.50	1.476	12	8000078318
7	45.00	1.772	10	8000078319
8	52.50	2.067	9	8000078320

7.50

MHS 7S - horizontal inverted



Modular male headers in 7.50 mm pitch with 270° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 270° outgoing elbow for horizontal inverted PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available prepared engineering data (EDA)

Product data

IEC: 630 V / 26.8 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

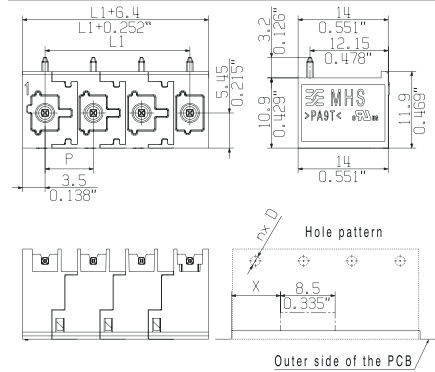
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4±0.1mm
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MHS 7S/.. W T3 B T

Tube packaging



Dimensioned drawing



Technical data

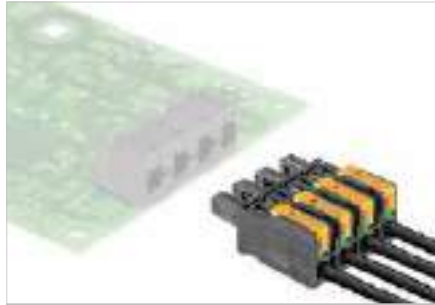
In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	400	500 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300 300
Rated current	A	18.5	18.5 10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG		
General data			
Type of insulation material		PA 9T	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 1.0	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch		7.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	39	8000078321
3	15.00	0.591	25	8000078322
4	22.50	0.886	19	8000078323
5	30.00	1.181	15	8000078324
6	37.50	1.476	12	8000078325
7	45.00	1.772	10	8000078326
8	52.50	2.067	9	8000078327

Connectors in 7.50 mm pitch
Series MHS / MPS 7S - Connection up to 4 mm²

MPS 7S - straight



The compact power connectors of OMNIMATE® 4.0 combine three innovations in one product: the fastest connection technology SNAP IN, a modular product design with flexible configuration options, and the fastest possible delivery.

- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Tool-free rewiring via lever operation
- Individual color and font marking in the configurator

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.5...4	
Solid core H05(07) V-U	mm²	0.5...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	9	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	630	1000 1000
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C D
Rated voltage	V	600	600 600
Rated current	A	18.5	18.5 10
AWG conductor	AWG	20-12	
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG	-	
General data			
Type of insulation material		PBT GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 1000 V / 26.8 A / 0.5 - 4 mm²
 UL: 600 V / 18.5 A / AWG 20 - 12



For additional articles and information, refer to catalog.weidmueller.com

Note:

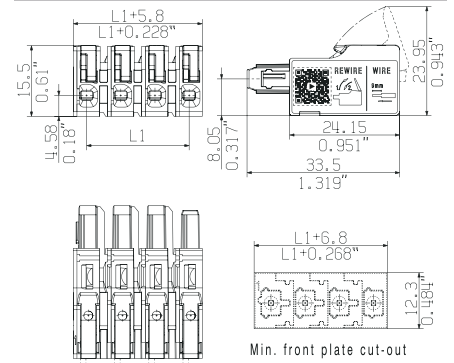
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MPS 7S/.. S TN B B

Box packaging



Dimensioned drawing



Ordering data

Solder pin length					
Colour					black
Pitch 7.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	7.50	0.295	138	8000078328	
3	15.00	0.591	84	8000078329	
4	22.50	0.886	66	8000078330	
5	30.00	1.181	48	8000078331	
6	37.50	1.476	42	8000078332	
7	45.00	1.772	36	8000078333	
8	52.50	2.067	30	8000078334	

MPS 7S - straight, top flange



The compact power connectors of OMNIMATE® 4.0 combine three innovations in one product: the fastest connection technology SNAP IN, a modular product design with flexible configuration options, and the fastest possible delivery.

- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Tool-free operation thanks to lever and top fixation
- Individual color and font marking in the configurator

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.5...4	
Solid core H05(07) V-U	mm ²	0.5...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	9	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	630	1000 1000
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C D
Rated voltage	V	600	600 600
Rated current	A	18.5	18.5 10
AWG conductor	AWG	20-12	
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG	-	
General data			
Type of insulation material		PBT GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D			
Solder eyelet Ø tolerance	mm		

Product data

IEC: 1000 V / 26.8 A / 0.5 - 4 mm²
UL: 600 V / 18.5 A / AWG 20 - 12



For additional articles and information, refer to catalog.weidmueller.com

Note:

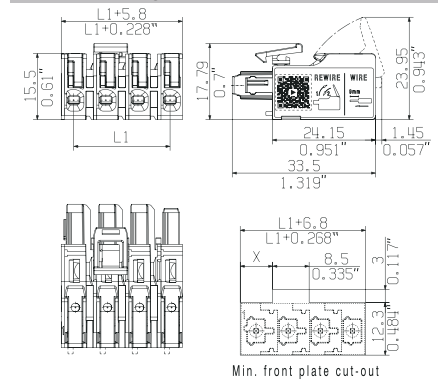
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MPS 7S/.. S F.. TN B B

Box packaging



Dimensioned drawing



Ordering data

Solder pin length					
Colour					black
Pitch 7.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	7.50	0.295	138	8000078353	
3	15.00	0.591	84	8000078354	
4	22.50	0.886	66	8000078355	
5	30.00	1.181	48	8000078356	
6	37.50	1.476	42	8000078357	
7	45.00	1.772	36	8000078358	
8	52.50	2.067	30	8000078359	

Hybrid connectors with 7.50 mm and 5.00 mm pitch
Series MHS / MPS 7S/..-5/.. - Connection up to 4 mm²

OMNIMATE® 4.0

B

MHS 7S/..-5/.. - horizontal



The modular product design of OMNIMATE® 4.0 enables the simple combination of different modules for the transmission of power and signals in a single connector.

- Combination of modules for power and signal transmission
- 90° outgoing elbow for horizontal PCB outgoing
- Suitable for reflow and wave soldering processes
- Individual configurations with further outgoing directions in the configurator

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	400	500 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300 300
Rated current	A	18.5	18.5 10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG		-
General data			
Type of insulation material		PA 9T	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 1.0	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 630 V / 26.8 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

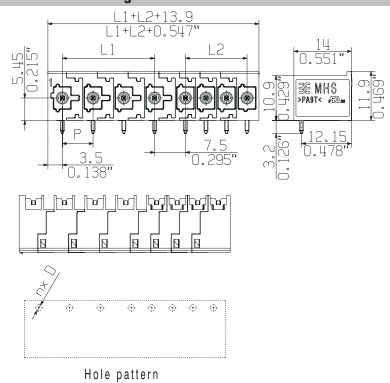
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MHS 7S/..-5/.. H T3 B T

Tube packaging



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm				
Colour		black				
Pitch		7.50 mm				
Poles	L1 (inch)	L2 (inch)	Qty.	Order No.		
4	7.50	0.295	5.00	0.197	20	8000078335
5	7.50	0.295	10.00	0.394	17	8000078338
5	15.00	0.591	5.00	0.197	16	8000078336
6	7.50	0.295	15.00	0.591	15	8000078341
6	15.00	0.591	10.00	0.394	14	8000078339
6	22.50	0.886	5.00	0.197	13	8000078337
7	15.00	0.591	15.00	0.591	12	8000078342
7	22.50	0.886	10.00	0.394	11	8000078340
8	22.50	0.886	15.00	0.591	10	8000078343

7.50

MPS 7S/..-5/.. - straight



The modular product design of OMNIMATE® 4.0 enables the simple combination of different modules for the transmission of power and signals in a single connector.

- Combination of modules for power and signal transmission
- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Individual configurations with optional top fixing incl. markings in the configurator

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.5...4	
Solid core H05(07) V-U	mm ²	0.5...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	9	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	1000	1000
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C D
Rated voltage			
Rated current	A	18.5	18.5 10
AWG conductor	AWG	20-12	
CSA (Use Group)		B	C D
Rated voltage			
Rated current	A		
AWG conductor	AWG		-
General data			
Type of insulation material		PBT GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D			
Solder eyelet Ø tolerance	mm		

Product data

IEC: 1000 V / 26.8 A / 0.5 - 4 mm²
UL: / 18.5 A / AWG 20 - 12



For additional articles and information, refer to catalog.weidmuller.com

Note:

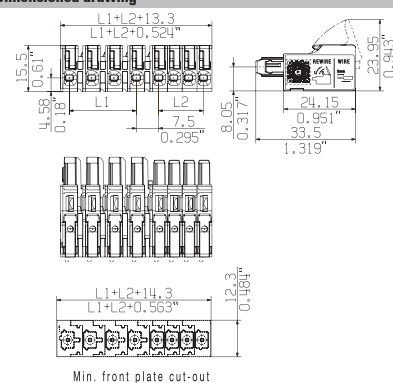
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MPS 7S/..-5/.. S TN B

Box packaging



Dimensioned drawing



Ordering data

Solder pin length						
Colour						black
Pitch 7.50 mm						
Poles	L1 (inch)	L2 (inch)	Qty.	Order No.		
4	7.50	0.295	5.00	0.197	72	8000078344
5	7.50	0.295	10.00	0.394	60	8000078347
5	15.00	0.591	5.00	0.197	54	8000078345
6	7.50	0.295	15.00	0.591	48	8000078350
6	15.00	0.591	10.00	0.394	48	8000078348
6	22.50	0.886	5.00	0.197	42	8000078346
7	15.00	0.591	15.00	0.591	42	8000078351
7	22.50	0.886	10.00	0.394	36	8000078349
8	22.50	0.886	15.00	0.591	36	8000078352

Hybrid connector with 5.00 mm pitch incl. Single Pair Ethernet
Series MHS / MPS 5/.. D11 - Connection up to 2.50 mm²

OMNIMATE® 4.0

B

MHS 5/.. SPE - horizontal



The modular product design of OMNIMATE® 4.0 enables the simple combination of power, signal and data transmissions in a single connector. Together with the Single Pair Ethernet technology, the cabling effort can be reduced and automation processes accelerated in a wide range of applications.

- Combination of modules with 5.00 mm pitch and Single Pair Ethernet (SPE)
- Integrated data transmission thanks to future-proof Single Pair Ethernet (SPE) technology
- Suitable for reflow and wave soldering processes
- Individual configurations with additional pole variants in the configurator

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG		-
General data			
Type of insulation material		PA 9T	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 1.0	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 26.8 A
 UL: 300 V / 14 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

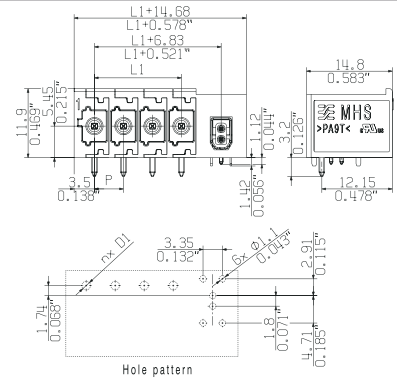
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MHS 5/.. D11 H T3 B T

Tube packaging



Dimensioned drawing

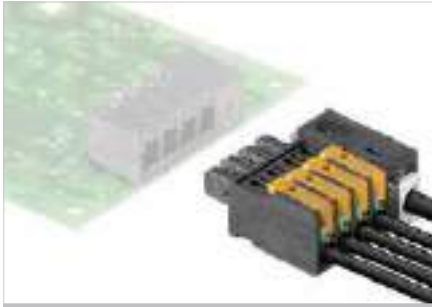


Ordering data

Solder pin length	3.2 mm		
Colour	black		
Pitch	5.00 mm		
Pol.	L1	(inch)	Qty. Order No.
3	10.00	0.394	22 2741520000
4	15.00	0.591	18 2741530000
5	20.00	0.787	15 2741540000
6	25.00	0.984	13 2741550000

5.00

MPS 5/.. SPE - straight



The modular product design of OMNIMATE® 4.0 enables the simple combination of power, signal and data transmissions in a single connector. Together with the integration of SNAP IN connection technology and Single Pair Ethernet technology, cabling effort can be reduced and automation processes accelerated in a wide range of applications.

- Combination of modules with 5.00 mm pitch and Single Pair Ethernet (SPE)
- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Integrated data transmission thanks to future-proof Single Pair Ethernet (SPE) technology
- Individual configurations with additional pole variants and printing in the configurator

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.5...2.5	
Solid core H05(07) V-U	mm²	0.5...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	9	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature	20°C	40°C	
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	18-14	
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG	-	
General data			
Type of insulation material		PBT GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 26.8 A / 0.5 - 4 mm²
UL: 300 V / 18.5 A / AWG 18 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

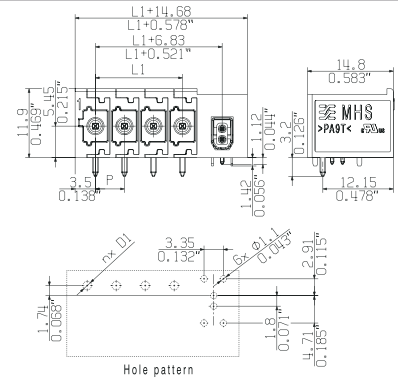
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MPS 5/.. D11 S TN B

Box packaging



Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
3	10.00	0.394	72	2741780000
4	15.00	0.591	60	2741790000
5	20.00	0.787	48	2741800000
6	25.00	0.984	42	2741810000

Hybrid connector with 5.00 mm pitch incl. Single Pair Ethernet
Series MHS / MPS 5/.. D11 - Connection up to 2.50 mm²

OMNIMATE® 4.0

B

MPS 5/.. SPE - straight, top flange



The modular product design of OMNIMATE® 4.0 enables the simple combination of power, signal and data transmissions in a single connector. Together with the integration of SNAP IN connection technology and Single Pair Ethernet technology, cabling effort can be reduced and automation processes accelerated in a wide range of applications.

- Combination of modules with 5.00 mm pitch and Single Pair Ethernet (SPE) incl. top-fixation
- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Integrated data transmission thanks to future-proof Single Pair Ethernet (SPE) technology
- Individual configurations with additional pole variants and printing in the configurator

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.5...2.5	
Solid core H05(07) V-U	mm²	0.5...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	9	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	18-14	
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG	-	
General data			
Type of insulation material		PBT GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 26.8 A / 0.5 - 4 mm²
 UL: 300 V / 18.5 A / AWG 18 - 14



For additional articles and information, refer to catalog.weidmuller.com

Note:

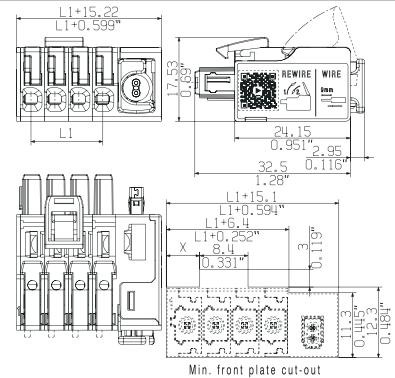
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MPS 5/.. D11 S F.. TN B B

Box packaging



Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch	5.00 mm		Qty.	Order No.
Pol.	L1	(inch)		
3	10.00	0.394	72	2741890000
4	15.00	0.591	60	2741900000
5	20.00	0.787	48	2741910000
6	25.00	0.984	42	2741920000

5.00

180°

2.5 mm²

MHS 7S/..5/.. SPE - horizontal



The modular product design of OMNIMATE® 4.0 enables the simple combination of power, signal and data transmissions in a single connector. Together with the single-pair Ethernet technology, the cabling effort can be reduced and automation processes accelerated in a wide range of applications.

- Combination of modules with 7.50 mm and 5.00 mm pitch and Single Pair Ethernet (SPE)
- Integrated data transmission thanks to future-proof Single Pair Ethernet (SPE) technology
- Suitable for reflow and wave soldering processes
- Individual configurations with additional pole variants in the configurator

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	400	500 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300 300
Rated current	A	18.5	18.5 10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG		
General data			
Type of insulation material		PA 9T	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 1.0	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 630 V / 26.8 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

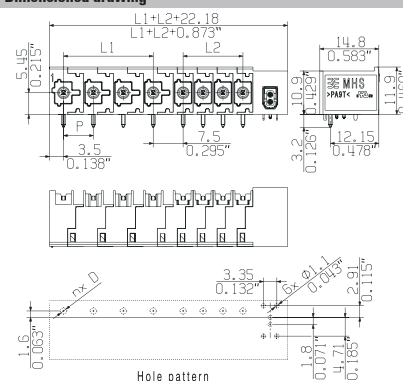
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MHS 7S/..5/.. D11 H T3 B T

Tube packaging



Dimensioned drawing



Ordering data

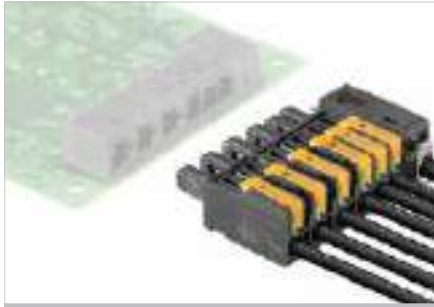
Solder pin length	3.2 mm					
Colour	black					
Pitch	7.50 mm					
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
5	15.00	0.591	5.00	0.197	13	8000085192
6	22.50	0.886	5.00	0.197	11	8000085260
7	15.00	0.591	15.00	0.591	10	8000085261
8	22.50	0.886	15.00	0.591	9	8000085263

Hybrid connectors with 7.50 mm and 5.00 mm pitch incl. Single Pair Ethernet Series MHS/MPS 7S/..5/..D11 - connection up to 4 mm²

OMNIMATE® 4.0

B

MPS 7S/..5/.. SPE - straight



The modular product design of OMNIMATE® 4.0 enables the simple combination of power, signal and data transmissions in a single connector. Together with the integration of SNAP IN connection technology and single-pair Ethernet technology, cabling effort can be reduced and automation processes accelerated in a wide range of applications.

- Combination of modules with 7.50 mm and 5 mm pitch and Single Pair Ethernet (SPE)
- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Integrated data transmission thanks to future-proof Single Pair Ethernet (SPE) technology
- Individual configurations with additional pole variants, optional top fixing and printing in the configurator

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.5...4	
Solid core H05(07) V-U	mm²	0.5...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	9	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	1000	1000
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C D
Rated voltage			
Rated current	A	18.5	18.5 10
AWG conductor	AWG	20-12	
CSA (Use Group)		B	C D
Rated voltage			
Rated current	A		
AWG conductor	AWG		-
General data			
Type of insulation material		PBT GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 1000 V / 26.8 A / 0.5 - 4 mm²
 UL: / 18.5 A / AWG 20 - 12



For additional articles and information, refer to catalog.weidmuller.com

Note:

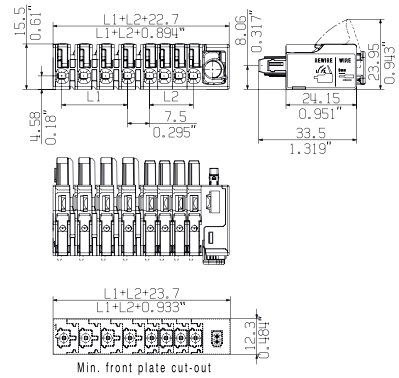
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MPS 7S/..5/.. D11 S TN B

Box packaging



Dimensioned drawing



Ordering data

Solder pin length						
Colour						black
Pitch 7.50 mm						
Poles	L1	(inch)	L2	(inch)	Qty.	Order No.
5	15.00	0.591	5.00	0.197	42	8000085268
6	22.50	0.886	5.00	0.197	36	8000085269
7	15.00	0.591	15.00	0.591	30	8000085270
8	22.50	0.886	15.00	0.591	30	8000085271

7.50

180°

2.5 mm²

OMNIMATE® Data – SPE

OMNIMATE® Data – SPE	Explanation	C.2
	Quick selection	C.8
	Assembled cable IP20 / IP67	C.10
	PCB and field attachable components	C.13

Single Pair Ethernet

The network infrastructure for Industrial IIoT

C

In the factory of the future, machines and systems will be connected to each other consistently via a data infrastructure. These cyber-physical systems can act independently in the Industrial Internet of Things (IIoT), communicate in real time, and control production processes. In order to enable this, a continuous network with high-performance data connections from the sensor to the cloud is required. This pushes conventional Ethernet systems to their limits.

Single Pair Ethernet (SPE) facilitates the extension of the Ethernet to the sensor. It is compact, flexible, and enables high ranges. This means that data connections are achievable in situations where conventional Ethernet systems have reached their limits. SPE provides for the extension of existing installations and supports consistent communication based on the Ethernet protocol. Indeed, SPE is considered by Weidmüller as the missing component needed to close the current gap in the supply of standard Ethernet at field level.

SPE runs at the same transmission speeds as conventional Ethernet but with simplified 2-wire cabling technology and data lines up to 1,000 m in length. Together with other new technologies such as TSN, OPC-UA, or 5G, SPE enables both continuous IP communication between the server and the cloud, as well as supplying up to 60 Watts of power in complex IIoT solutions through PoDL (Power over Data Line).



The new standard for high demands

SPE connectors for the industry

SPE connections can transfer data and power using only one twin wire. This enables both end-to-end IP communication between server and cloud, as well as power supply in complex IIoT solutions. SPE connectors therefore are particularly efficient and future-oriented.

The market requirements for data connectors in the field level are:

- Smallest, most compact design possible for implementing IIoT devices
- High robustness for use in industrial environments
- Easy to connect for safe, fast installation
- Future-proof design through international standards

Advantages of SPE connectors at a glance:

Miniaturisation

Industrial suitability

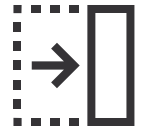


Simplicity

Future-proof

Particularly compact

Miniaturisation of SPE connectors according to IEC 63171-2



Weidmüller has been developing user-friendly connectors for industrial use, according to IEC63171-2. With a pitch of 7.62mm the compact connector system saves up to 50% space in comparison to RJ45 interfaces. The vertical arrangement of the two contacts allows a very high packing density. This enables device manufacturers to save valuable space on the PCB and to build smaller devices. This reduces port costs in device construction and effectively saves space in the control cabinet.

Small mating face

- Currently the smallest mating face according to IEC 63171 on the market

High packing density

- Double the packing density compared to RJ45 connectors
- Doubling of the interfaces with the same housing contour
- Only 20% of the volume of an RJ45 jack
- Minimum space requirement in the device

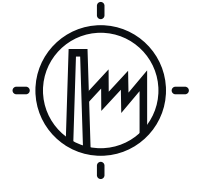
Easy IP67-integration

- Can be integrated into standard M8 housings and connectors as with I/O-Link or PROFINET
- M8 connectors with male and female contacts available
- Front and rear panel mounting with male and female contacts supported
- Simple integration in M8 sensors
- Inverse M8 system possible



Made for highest demands

The industrial suitability of SPE connectors



Originally developed for automotive applications, the aim of single pair ethernet technology was to realise the most efficient infrastructure capable of delivering high performance with as little cabling as possible. There are similar expectations within industry applications and building automation where the number of intelligent end devices in the plant is increasing but the amount of available space is not. Weidmuller SPE connector solutions deliver long cable lengths, a compact design that is simple, robust and vibration-proof, as well as being insensitive to electromagnetic influences.

Mechanical robustness

- Robust metal housing with metal snap-in hooks
- Safe industrial double contacting compared to single-sided contacting RJ45
- Shock resistant and vibration resistant according to IEC 60068
- Stable latching with lateral forces

EMC Compatibility

- Coupling attenuation at 600 MHz according to IEEE 802.3
- Additional burst test according to IEC 61000-6-2
- Optimum shield connection on the PCB due to four symmetrical legs

Industrial suitability

- PCB connectors for environments up to pollution degree 2
- Impulse voltage strength of 2.25 kV according to IEEE 802.3
- Optimum contact distance for 100 Ohm systems



Easy to use

The simplicity of SPE connectors



Ethernet technology is too complex for many industrial applications. SPE components are clearly superior due to their simplicity. Compared to four-pair Ethernet, installation is less difficult and allows a significant reduction in space and weight. SPE connectors also enable robust cabling in a short time. At the same time, they offer extended cable lengths in an extremely compact design.

Proven locking mechanism

- Industry standard plugs and sockets with metal Snap-in hooks locking
- Known locking and unlocking mechanism as for RJ45 connectors
- High holding force (> 50 N)

Tool-free installation

- Well proven IDC connection technology
- Simple assembly due to a two-part connector
- Clear colour coding to prevent miswiring
- Suitable for all commercially available SPE cables

Easy integration

- Trouble-free integration into M8 housings and connectors
- Compatibility of IP20 and IP67 variants
- Optional use of the IP20 connector as service connector for devices with M8IP67 interfaces



Ready for the challenges of tomorrow

Future-proof SPE connectors



SPE is the next milestone in network technology, as it enables continuous intelligent networking across all levels. SPE is scalable, deterministic, and fully compatible, allowing all components to communicate with each other. As a comprehensive key technology for applications in the field of Industry 4.0 and IIoT, it will form the core of a wide range of industrial applications in the future.

Extensive support

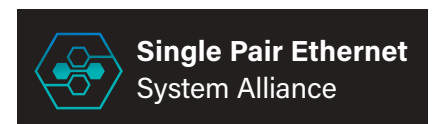
The SPE product family is already supported by several well-known connector manufacturers, which have joined together to form the Single Pair Ethernet System Alliance. This collaboration, with leading technology companies from a wide range of markets and application areas, means that the level of combined technological competence will result in unprecedented and lasting benefits for all users.

Suitable for low to high transmission rates

With SPE components, only a compact IEC standard interface is required to connect a sensor to the cloud via the data centre. The interface is suitable for various Ethernet applications with transfer rates from 10 Mbit/s to 1 Gbit/s. Simulations confirm a bandwidth of up to 2.5 GHz – this corresponds to the new Ethernet transmission standard IEEE 802.3ch, which is currently under development for up to 10 Gbit/s.

Increase of the port density


In the near future, a new and innovative four-chamber system will be available that will enable the port density for IP20 and IP67 systems to be quadrupled. This means that SPE technology can also be used in standard M12 connectors. It will also allow extremely compact IIoT devices with 32 ports to be implemented, and can be integrated into existing housing structures.






Single Pair Ethernet Solutions

Ordering data

IP-20 SPE cabling

Type	Versions	Qty.	Order No.
 IE-S1DS2VE0010T01T01-E	Patch cable overmoulded, IP 20, Female-Female, 1m	1	2725850010
IE-S1DS2VE0020T01T01-E	Patch cable overmoulded, IP 20, Female-Female, 2m	1	2725850020
IE-S1DS2VE0030T01T01-E	Patch cable overmoulded, IP 20, Female-Female, 3m	1	2725850030
IE-S1DS2VE0050T01T01-E	Patch cable overmoulded, IP 20, Female-Female, 5m	1	2725850050
IE-S1DS2VE0100T01T01-E	Patch cable overmoulded, IP 20, Female-Female, 10m	1	2725850100
IE-S1DS2VE0150T01T01-E	Patch cable overmoulded, IP 20, Female-Female, 15m	1	2725850150
IE-S1DS2VE0400T01T01-E	Patch cable overmoulded, IP 20, Female-Female, 40m	1	2725850400

IP-67 SPE cabling

 IE-S1DS2VE0020TM1TM1-E	Patch cable overmoulded, M8 IP 67, Female-Female, 2m	1	2726050020
IE-S1DS2VE0050TM1TM1-E	Patch cable overmoulded, M8 IP 67, Female-Female, 5m	1	2726050050
IE-S1DS2VE0100TM1TM1-E	Patch cable overmoulded, M8 IP 67, Female-Female, 10m	1	2726050100
IE-S1DS2VE0150TM1TM1-E	Patch cable overmoulded, M8 IP 67, Female-Female, 15m	1	2726050150
IE-S1DS2VE0200TM1TM1-E	Patch cable overmoulded, M8 IP 67, Female-Female, 20m	1	2726050200
IE-S1DS2VE0400TM1TM1-E	Patch cable overmoulded, M8 IP 67, Female-Female, 40m	1	2726050400
 IE-S1DS2VE0020TM1TM2-E	Patch cable overmoulded, M8 IP67, Female-Male, 2m	1	2726060020
 IE-S1DS2VE0020TM2TM2-E	Patch cable overmoulded, M8 IP67, Male-Male, 2m	1	2726070020



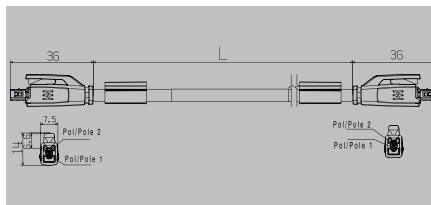
PCB components & field attachable components

	Type	Versions	Qty.	Order No.
	IE-PCB-SP0-P-90V-THR	PCB connector, IP20, 90°, THR Male	100	2726010000
	IE-PCB-SP0-P-90V-THR-YG/YG	PCB connector, IP20, 90°, LED, THR, Male	100	2795120000
	IE-PCB-SP0-P-180V-THR	PCB connector, IP 20, 180°, THR, Male	100	2795170000
	IE-PS-SP0-S-FH-180	Field attachable plug IP20, Female	1	2726040000
	IE-BHD-SPE-M8-OT-FP	M8 Device housing, front panel mounting	10	2726020000
	IE-BHD-SPE-M8-OT-BP	M8 Device housing, back panel mounting	20	2726030000
	IE-BHD-SPE-BP-CN-M10X0.75	Befestigungsmutter für M8 Gehäuse	10	2739640000
	IE-PCB-SPM-P-180-THR	M8 SPE insert, 180°, THR, Male	100	2735920000
	IE-PCB-SPM-P-180-SMD	M8 SPE insert, 180°, SMD, Male	100	2795110000
	IE-PCB-SPM-P-90-THR	M8 SPE insert, 90°, THR, Male	100	2795100000
	IE-AD-SP0-P-SPM-P-90	SPE IP20 to SPE M8 adapter / panel feed-through, Male	1	2814400000

**Assembled cable
IP20**

Plug - Plug

Socket contact / Socket contact



Technical data

Product type
Category
Shielding
Ambient temperature (operational)
Rated voltage (DC)
Rated current
PoE / PoE+
Transmission rate
Dielectric strength, contact / contact
Dielectric strength, contact / shield
Characteristic impedance
Capacity at 800 Hz
Coupling attenuation 1 to 600 MHz
Coupling attenuation up to 1000 MHz
Test voltage: wire-wire-shield
Resistance differential
Transmission rate
Version connector left
Version connector right
Number of wires
Colour coding
Complete shielding / Overlap of shielding braid
Insulation
Insulation diameter
Sheath diameter, min. / max.
Cross-section / Strands
Shielding
Material sheath
Colour
Halogen
UV-resistant
Connector standard
Note

Patch cable
STP
-40...80 °C
60 V
3.5 A
PoDL acc. to IEEE 802.3bu / cg
10/100 MBit/s, 1000 MBit/s
1000 V DC
2250 V DC
100 ± 15 Ω at 20 MHz
1.6 nF/km
Type I
1 kV DC, 1 min
2 %
10/100 MBit/s, 1000 MBit/s
SPE plug (IEC 63171-2) - IP20 socket contact straight
SPE plug (IEC 63171-2) - IP20 socket contact straight
2
white / blue
Shielding braid made from copper wiring / 80 %
PE
1.65 mm
4.9 / 5.3 mm
2*AWG 22 / 7
STP
PVC
black
Yes
Complies with UL 1581 Sec. 1200
IEC 63171-2
Note

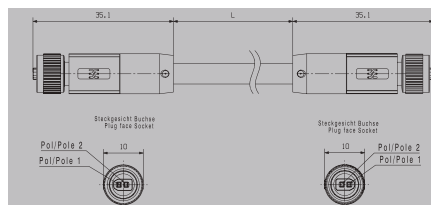
Ordering data

	1.0 m
	2.0 m
	3.0 m
	5.0 m
	10.0 m
	15.0 m
	40.0 m
Note	

Type	Qty.	Order No.
IE-S1DS2VE0010T01T01-E	1	2725850010
IE-S1DS2VE0020T01T01-E	1	2725850020
IE-S1DS2VE0030T01T01-E	1	2725850030
IE-S1DS2VE0050T01T01-E	1	2725850050
IE-S1DS2VE0100T01T01-E	1	2725850100
IE-S1DS2VE0150T01T01-E	1	2725850150
IE-S1DS2VE0400T01T01-E	1	2725850400
Note		

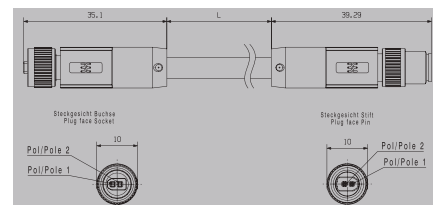
M8 plug Male / Male

Socket contact / Socket contact



M8 plug Male / Female

Socket contact / Pin contact



Technical data

Product type	Patch cable
Category	STP
Shielding	-40...85 °C
Ambient temperature (operational)	60 V
Rated voltage (DC)	3.5 A
Rated current	PoDL acc. to IEEE 802.3bu / cg
PoE / PoE+	10/100 MBit/s, 1000 MBit/s
Transmission rate	1000 V DC
Dielectric strength, contact / contact	2250 V DC
Dielectric strength, contact / shield	3.5A @ 0°C
Current-carrying capacity	100 ± 15 Ω at 20 MHz
Characteristic impedancance	1.6 nF/km
Capacity at 800 Hz	Type I
Coupling attenuation 1 to 600 MHz	1 kV DC, 1 min
Coupling attenuation up to 1000 MHz	2 %
Test voltage: wire-wire-shield	10/100 MBit/s, 1000 MBit/s
Resistance differential	M8 SPE (IEC63171-5) - IP67 socket contact - straight
Transmission rate	M8 SPE (IEC63171-5) - IP67 socket contact - straight
Version connector left	2
Version connector right	white / blue
Number of wires	Shielding braid made from copper wiring / 80 %
Colour coding	PE
Complete shielding / Overlap of shielding braid	1.65 mm
Insulation	4.9 / 5.3 mm
Insulation diameter	2*AWG 22 / 7
Sheath diameter, min. / max.	STP
Cross-section / Strands	PVC
Shielding	black
Material sheath	Yes
Colour	Complies with UL 1581 Sec. 1200
Halogen	IEC 63171-5
UV-resistant	
Connector standard	
Note	

Ordering data

	2.0 m	Type	Qty.	Order No.
	5.0 m	IE-S1DS2VE0020TM1TM1-E	1	2726050020
	10.0 m	IE-S1DS2VE0050TM1TM1-E	1	2726050050
	15.0 m	IE-S1DS2VE0100TM1TM1-E	1	2726050100
	20.0 m	IE-S1DS2VE0150TM1TM1-E	1	2726050150
	40.0 m	IE-S1DS2VE0200TM1TM1-E	1	2726050200
		IE-S1DS2VE0400TM1TM1-E	1	2726050400
Note				

Product type	Patch cable
Category	STP
Shielding	-40...85 °C
Ambient temperature (operational)	60 V
Rated voltage (DC)	3.5 A
Rated current	PoDL acc. to IEEE 802.3bu / cg
PoE / PoE+	10/100 MBit/s, 1000 MBit/s
Transmission rate	1000 V DC
Dielectric strength, contact / contact	2250 V DC
Dielectric strength, contact / shield	3.5A @ 0°C
Current-carrying capacity	100 ± 15 Ω at 20 MHz
Characteristic impedancance	1.6 nF/km
Capacity at 800 Hz	Type I
Coupling attenuation 1 to 600 MHz	1 kV DC, 1 min
Coupling attenuation up to 1000 MHz	2 %
Test voltage: wire-wire-shield	10/100 MBit/s, 1000 MBit/s
Resistance differential	M8 SPE (IEC63171-5) - IP67 socket contact - straight
Transmission rate	M8 SPE (IEC63171-5) - IP67 pin contact - straight
Version connector left	2
Version connector right	white / blue
Number of wires	Shielding braid made from copper wiring / 80 %
Colour coding	PE
Complete shielding / Overlap of shielding braid	1.65 mm
Insulation	4.9 / 5.3 mm
Insulation diameter	2*AWG 22 / 7
Sheath diameter, min. / max.	STP
Cross-section / Strands	PVC
Shielding	black
Material sheath	Yes
Colour	Complies with UL 1581 Sec. 1200
Halogen	IEC 63171-5
UV-resistant	
Connector standard	
Note	

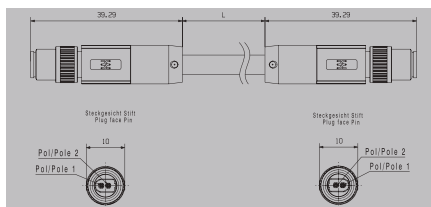
Product type	Patch cable
Category	STP
Shielding	-40...85 °C
Ambient temperature (operational)	60 V
Rated voltage (DC)	3.5 A
Rated current	PoDL acc. to IEEE 802.3bu / cg
PoE / PoE+	10/100 MBit/s, 1000 MBit/s
Transmission rate	1000 V DC
Dielectric strength, contact / contact	2250 V DC
Dielectric strength, contact / shield	3.5A @ 0°C
Current-carrying capacity	100 ± 15 Ω at 20 MHz
Characteristic impedancance	1.6 nF/km
Capacity at 800 Hz	Type I
Coupling attenuation 1 to 600 MHz	1 kV DC, 1 min
Coupling attenuation up to 1000 MHz	2 %
Test voltage: wire-wire-shield	10/100 MBit/s, 1000 MBit/s
Resistance differential	M8 SPE (IEC63171-5) - IP67 socket contact - straight
Transmission rate	M8 SPE (IEC63171-5) - IP67 pin contact - straight
Version connector left	2
Version connector right	white / blue
Number of wires	Shielding braid made from copper wiring / 80 %
Colour coding	PE
Complete shielding / Overlap of shielding braid	1.65 mm
Insulation	4.9 / 5.3 mm
Insulation diameter	2*AWG 22 / 7
Sheath diameter, min. / max.	STP
Cross-section / Strands	PVC
Shielding	black
Material sheath	Yes
Colour	Complies with UL 1581 Sec. 1200
Halogen	IEC 63171-5
UV-resistant	
Connector standard	
Note	

	2.0 m	Type	Qty.	Order No.
	5.0 m	IE-S1DS2VE0020TM1TM2-E	1	2726060020
	10.0 m			
	15.0 m			
	20.0 m			
	40.0 m			
Note				

**Assembled cable
IP67**

M8 plug Female / Female

Pin contact / Pin contact



Technical data

Product type	Patch cable
Category	STP
Shielding	-40...85 °C
Ambient temperature (operational)	60 V
Rated voltage (DC)	3.5 A
Rated current	PoDL acc. to IEEE 802.3bu / cg
PoE / PoE+	10/100 MBit/s, 1000 MBit/s
Transmission rate	1000 V DC
Dielectric strength, contact / contact	2250 V DC
Dielectric strength, contact / shield	3.5A @ 0°C
Current-carrying capacity	100 ± 15 Ω at 20 MHz
Characteristic impedance	1.6 nF/km
Capacity at 800 Hz	Type I
Coupling attenuation 1 to 600 MHz	1 kV DC, 1 min
Coupling attenuation up to 1000 MHz	2 %
Test voltage: wire-wire-shield	10/100 MBit/s, 1000 MBit/s
Resistance differential	M8 SPE (IEC63171-5) - IP67 pin contact - straight
Transmission rate	M8 SPE (IEC63171-5) - IP67 pin contact - straight
Version connector left	2
Version connector right	white / blue
Number of wires	Shielding braid made from copper wiring / 80 %
Colour coding	PE
Complete shielding / Overlap of shielding braid	1.65 mm
Insulation	4.9 / 5.3 mm
Insulation diameter	2*AWG 22 / 7
Sheath diameter, min. / max.	STP
Cross-section / Strands	PVC
Shielding	black
Material sheath	Yes
Colour	Complies with UL 1581 Sec. 1200
Halogen	IEC 63171-5
UV-resistant	
Connector standard	

Note

Ordering data

	2.0 m
	5.0 m
	10.0 m
	15.0 m
	20.0 m
	40.0 m
Note	

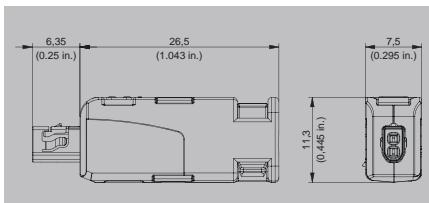
Type	Qty.	Order No.
IE-S1DS2VE0020TM2TM2-E	1	2726070020

Plug

- Only one pair of cables for data and power
- Multi-port support
- IP20

Field-terminated plug IP20

Socket contact



Technical data

Category
 Protection degree
 Ambient temperature (operational)
 Plugging cycles
 Housing main material
 Contact material
 Contact surface
 Rated voltage
 Rated current
 Insulation cross-section, min.
 Insulation cross-section, max.
 Insulation strength
 PoE / PoE+
 Dielectric strength, contact / contact
 Dielectric strength, contact / shield
 Connector standard
 UL 94 flammability rating

IP20
 -40...85 °C
 750
 zinc diecast nickel-plated
 Bronze tin-plated
 4 A
 0.85 mm
 1.6 mm
 ≥ 500 MΩ
 PoDL acc. to IEEE 802.3bu / cg
 ≥ 1000 V DC
 ≥ 1500 V DC
 IEC 63171-2
 V-0

Note

Ordering data

Plug	field-terminated plug
Note	

Type	Qty.	Order No.
IE-PS-SP0-S-FH-180	1	2726040000

PCB and field attachable components

PCB connector IP20

- Only one pair of cables for data and power
- Multi-port support
- Robust locking mechanism
- Shock and vibration proof
- Most compact design

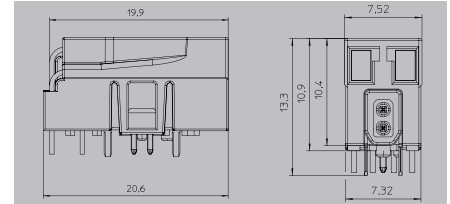
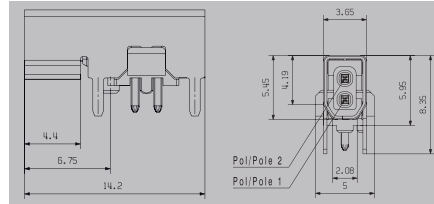
PCB connector, 90°

Pin contact



PCB connector, 90°, incl. LED

Pin contact



Technical data

Category	
Protection degree	IP20
Ambient temperature (operational)	-40...85 °C
Transmission rate	10/100 MBit/s, 1000 MBit/s
Type of connection	Solder connection, Male contact
Outgoing elbow	90°
Number of poles	2
Mounting onto the PCB	THT/THR solder connection
Plugging cycles	750
Contact material	Cu
Contact surface	Ni/Au
Rated voltage	72 V
Rated current	4 A
Insulation strength	≥ 500 MΩ
PoE / PoE+	PoDL acc. to IEEE 802.3bu / cg
Dielectric strength, contact / contact	1000 V DC
Dielectric strength, contact / shield	2250 V DC
Connector standard	IEC 63171-2
UL 94 flammability rating	V-0
Note	

Category	
Protection degree	IP20
Ambient temperature (operational)	-40...85 °C
Transmission rate	10/100 MBit/s, 1000 MBit/s
Type of connection	Solder connection, Male contact
Outgoing elbow	90°
Number of poles	2
Mounting onto the PCB	THT/THR solder connection
Plugging cycles	750
Contact material	Cu
Contact surface	Ni/Au
Rated voltage	72 V
Rated current	4 A
Insulation strength	≥ 500 MΩ
PoE / PoE+	PoDL acc. to IEEE 802.3bu / cg
Dielectric strength, contact / contact	1000 V DC
Dielectric strength, contact / shield	2250 V DC
Connector standard	IEC 63171-2
UL 94 flammability rating	V-0
Note	

Category	
Protection degree	IP20
Ambient temperature (operational)	-40...85 °C
Transmission rate	10/100 MBit/s, 1000 MBit/s
Type of connection	Solder connection, Male contact
Outgoing elbow	90°
Number of poles	2
Mounting onto the PCB	THT/THR solder connection
Plugging cycles	750
Contact material	Cu
Contact surface	Ni/Au
Rated voltage	72 V
Rated current	4 A
Insulation strength	≥ 500 MΩ
PoE / PoE+	PoDL acc. to IEEE 802.3bu / cg
Dielectric strength, contact / contact	1000 V DC
Dielectric strength, contact / shield	2250 V DC
Connector standard	IEC 63171-2
UL 94 flammability rating	V-0
Note	

Ordering data

	PCB connector, IP20, pin contact
	PCB connector, IP20, pin contact incl. LEDs
Note	

Type	Qty.	Order No.
IE-PCB-SP0-P-90V-THR	100	2726010000
Note		

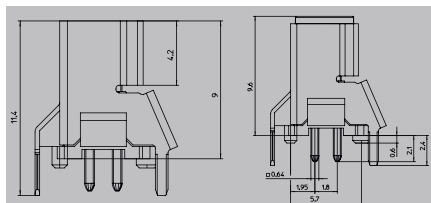
Type	Qty.	Order No.
IE-PCB-SP0-P-90V-THR-YG/YG	100	2795120000
Bi-colour LED: yellow/green yellow/green		
Note		

PCB connector IP20

- Only one pair of cables for data and power
- Multi-port support
- Robust locking mechanism
- Shock and vibration proof
- Most compact design

PCB connector, 180°

Pin contact



Technical data

Category
 Protection degree
 Ambient temperature (operational)
 Transmission rate
 Type of connection
 Outgoing elbow
 Number of poles
 Mounting onto the PCB
 Plugging cycles
 Contact material
 Contact surface
 Rated voltage
 Rated current
 Insulation strength
 PoE / PoE+
 Dielectric strength, contact / contact
 Dielectric strength, contact / shield
 Connector standard
 UL 94 flammability rating

IP20
 -40...85 °C
 10/100 MBit/s, 1000 MBit/s
 Solder connection, Male contact
 180°
 2
 THT/THR solder connection
 750
 Cu
 Ni/Au
 72 V
 4 A
 ≥ 500 MΩ
 PoDL acc. to IEEE 802.3bu / cg
 1000 V DC
 2250 V DC
 IEC 63171-2
 V-0

Note

Ordering data

PCB connector, IP20, pin contact
 PCB connector, IP20, pin contact incl. LEDs

Type	Qty.	Order No.
IE-PCB-SP0-P-180V-THR	100	2795170000

Note

Empty housing



Technical data

Category	
Ambient temperature (operational)	
Protection degree	
Housing main material	
Seal material	
Configuration	
Type of mounting	
Connection thread	
Connector standard	
Tightening torque fixing nut	
Note	

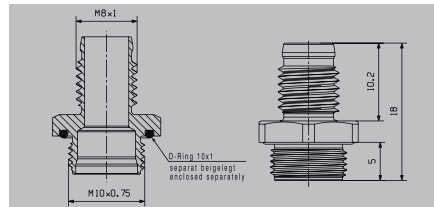
Ordering data

Note	
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Accessories

	Fastening nut
Note	

M8 front wall mounting

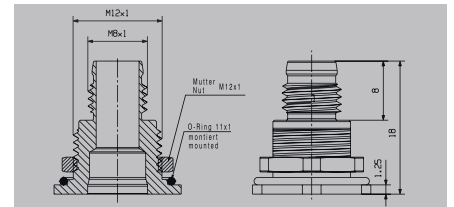


	-40...85 °C	
	IP67	
	Brass, nickel-plated	
	FKM	
	Frontpanel mounting	
	Screw mounting	
	M10 x 0.75	
	IEC 61076-2-104, IEC 63171-5	
	2.5 Nm	
Note		

Type	Qty.	Order No.
IE-BHD-SPE-M8-OT-FP	10	2726020000
Inserts and fixing nut must be ordered separately.		

Type	Qty.	Order No.
IE-BHD-SPE-FP-CN-M10X0.75	10	2739640000

M8 rear wall mounting



	40...85 °C	
	IP67	
	Brass, nickel-plated	
	FKM	
	Backpanel mounting	
	Screw mounting	
	M10 x 0.75	
	IEC 61076-2-104, IEC 63171-5	
	2.5 Nm	
Note		

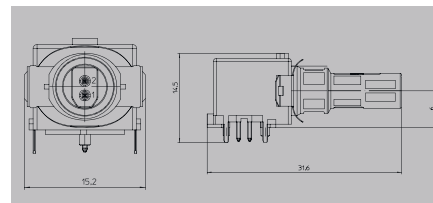
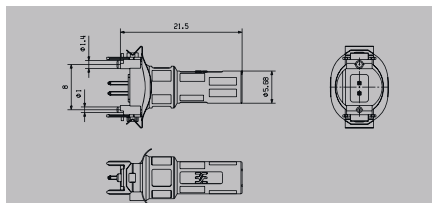
Type	Qty.	Order No.
IE-BHD-SPE-M8-OT-BP	20	2726030000
Inserts to be ordered separately, fixing nut included.		

Type	Qty.	Order No.
IE-BHD-SPE-FP-CN-M10X0.75	10	2739640000

PCB insert

M8 insert 180° pin contacts

M8 insert 90° pin contacts



Technical data

Category	
Ambient temperature (operational)	
Protection degree	
Pollution severity	
Connection thread	
Number of poles	
Type of connection	
Outgoing elbow	
Contact material	
Contact surface	
Contact carrier material	
Operational voltage range	
Rated current	
Insulation strength	
Dielectric strength, contact / contact	
Dielectric strength, contact / shield	
Connector standard	
UL 94 flammability rating	
Note	

Category	
Ambient temperature (operational)	-40...85 °C
Protection degree	IP67 with housing
Pollution severity	2
Connection thread	M8
Number of poles	2
Type of connection	Solder connection, Male contact
Outgoing elbow	180°
Contact material	Copper alloy
Contact surface	Ni/Au
Contact carrier material	LCP
Operational voltage range	≤ 50 V AC, ≤ 60 V DC
Rated current	4 A
Insulation strength	≥ 500 MΩ
Dielectric strength, contact / contact	1000 V DC
Dielectric strength, contact / shield	2250 V DC
Connector standard	IEC 63171-5
UL 94 flammability rating	V-0
Note	

Category	
Ambient temperature (operational)	-40...85 °C
Protection degree	IP67 with housing
Pollution severity	2
Connection thread	M8
Number of poles	2
Type of connection	Solder connection, Male contact
Outgoing elbow	90°
Contact material	Copper alloy
Contact surface	Ni/Au
Contact carrier material	LCP
Operational voltage range	≤ 50 V AC, ≤ 60 V DC
Rated current	4 A
Insulation strength	≥ 500 MΩ
Dielectric strength, contact / contact	1000 V DC
Dielectric strength, contact / shield	2250 V DC
Connector standard	IEC 63171-5
UL 94 flammability rating	V-0
Note	

Ordering data

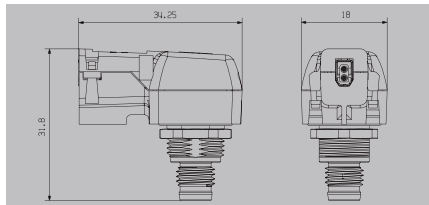
	THR
	SMD
Note	

Type	Qty.	Order No.
IE-PCB-SPM-P-180-THR	100	2735920000
IE-PCB-SPM-P-180-SMD	100	2795110000

Type	Qty.	Order No.
IE-PCB-SPM-P-90-THR	100	2795100000

Adapter IP20 / IP65 (M8)

Adapter



Technical data

Category	
Ambient temperature (operational)	-40...85 °C
Protection degree	IP65 (in plugged condition)
Connection 1 / 2 / Connection	SPE socket acc. to IEC 63171-2 / M8 socket male contact
Number of poles	2
Outlet direction	Angled
Contact material	Cu
Contact surface	Ni/Au
Contact carrier material	
Operational voltage range	≤ 50 V AC, ≤ 60 V DC
Rated current	4 A
Insulation strength	≥ 500 MΩ
Dielectric strength, contact / contact	≥ 1000 V DC
Dielectric strength, contact / shield	2250 V DC
Connector standard	IEC 63171-2, IEC 63171-5
UL 94 flammability rating	V-0
Note	

Ordering data

Type	Qty.	Order No.
IE-AD-SP0-P-SPM-P-90	10	2814400000
Note		

OMNIMATE® Data – RJ45

OMNIMATE® Data – RJ45	Explanation	D.2
	RJ45 modular jacks – Quick selection	D.4
	RJ45 modular jacks for SMT soldering process	D.6
	RJ45 modular jacks for THR soldering process	D.12
	RJ45 modular jacks for wave soldering process	D.18
	RJ45 transformer jacks – Quick selection	D.24
	RJ45 transformer jacks for SMT soldering process	D.26
	RJ45 transformer jacks for THR soldering process	D.28
	RJ45 transformer jacks for wave soldering process	D.38

OMNIMATE® Data RJ45 PCB jacks

The future-proof transmission solution in the industrial environment

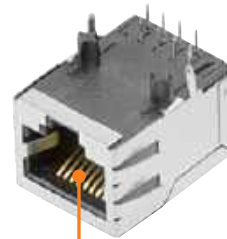
A wide variety of PCB jacks are needed for the data transmission in Industrial Ethernet environment. Trends in technology, like the shift from fieldbus to Industrial Ethernet, demand an increasing number of designs of RJ45 PCB jacks to enable adaptation to individual housing design.

D

RJ45 components from Weidmüller ensure a reliable transmission with high data rates of up to 1 Gbps and provide sufficient safety reserves. With diverse variants, such as for THT, THR or SMT soldering methods, the PCB sockets are suitable for all common methods of circuit board assembly. The shielded technology also allows its use in products for harsh and electromagnetically noisy environments.

Improves corrosion protection, reduces contact problems

Reinforced gold layer (30µ") for high durability (≥750cycles)



Trouble-free PCB assembly

Due to shorter solder pins with chamfered tips; SMT, THR or THT soldering technology; Tape on Reel or assembly by hand (Tray)



Equipped for the future
For data transmission rates
up to 10 Gbit/s

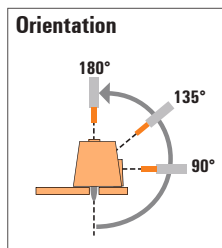
**Optimum adaptation to
various housing formats**
90° and 180° outlet directions
With and without LEDs and shield tabs



**Best possible wetting properties and
soldering result**
by min. 0.3mm stand-off and tinned ground pins



<http://www.OMNIMATE.net>



RJ45 modular jacks

- Shielded
- Contact surface: 30µ" Au
- Temperature range: -40 °C to +85 °C



Mounting onto the PCB



SMT-soldering process



THR-soldering process



Wave soldering process

Reference picture	Outgoing elbow/ Latch option	Shield tabs	LED (left/right)	Performance category
	180° vertical	No	No	Cat.5
		Yes	No	Cat.5
	90° horizontal/latch down	No	No	Cat.5
		No	No	Cat.5
	90° horizontal/latch up	No	No	Cat.5
		Yes	G/Y	Cat.5
		Yes	No	Cat.5
	180° vertical	No	G/Y	Cat.5
		No	No	Cat.5
	90° horizontal/latch down	Yes	G/Y	Cat.5
		Yes	No	Cat.5
	90° horizontal/latch up	Yes	No	Cat.5
		No	G/Y	Cat.5
	180°/vertical	No	No	Cat.6
		No	G/Y	Cat.5
		No	No	Cat.5
		No	No	Cat.5
	90°/latch down	No	No	Cat.5
		Yes	G/Y	Cat.5
		Yes	No	Cat.5
	90°/latch up	No	No	Cat.6
		No	No	Cat.5
		Yes	G/Y	Cat.5
		Yes	No	Cat.5

Note:
 *1 Solder pin - shield THR
 *2 Solder pin - shield SMT
 *3 Solder pin - shield front

Packaging	Order No.	Type
Tape	1433900000	RJ45C3 S1V 2.7N4N RL
Tape	2514600000	RJ45C3 S1V 2.7E4N RL
Tape	2000890000	RJ45C3 S1D 2.7N4N RL*1
Tape	1433890000	RJ45C3 S1D 2.7N4N RL*2
Tape	1455220000	RJ45C3 S1U 0.9N4N RL
Tape	2562890000	RJ45C3 S1U DE4G/Y RL
Tape	2562940000	RJ45C3 S1U DE4N RL
Tray	2516380000	RJ45C5 R1V 3.2N4G/Y TY
Tape	2562970000	RJ45C5 R1V 3.2N4N RL
Tape	2562870000	RJ45C5 R1D 3.2E4G/Y RL
Tape	2562910000	RJ45C5 R1D 3.3E4N RL
Tape	2562930000	RJ45C5 R1U 2.8E4N RL
Tape	2562950000	RJ45C5 R1U 2.8N4G/Y RL
Tray	2626050000	RJ45C6 T1V 3.0N4N TY
Tray	2562960000	RJ45C5 T1V 3.2N4G/Y TY
Tray	2436450000	RJ45C5 T1V 4.0N4N TY
Tray	1433810000	RJ45C5 T1V 3.2N4N TY*3
Tray	1433800000	RJ45C5 T1D 3.2N4N TY
Tray	2562820000	RJ45C5 T1D 3.2E4G/Y TY
Tray	2562900000	RJ45C5 T1D 3.3E4N TY
Tray	1433910000	RJ45C6 T1U 2.7N4N TY
Tray	1455240000	RJ45C5 T1U 2.8N4N TY
Tray	2562880000	RJ45C5 T1U 2.8E4G/Y TY
Tray	2562920000	RJ45C5 T1U 2.8E4N TY

RJ45	G1	R	1	U	3.2	E	4	GY/GY	TY
Performance Category									
C5 Category 5 C6 Category 6 C6A Category 6A C5e Category 5e M 10/100 Mbit G1 10/100/1000 Mbit G10 10 Gbit U Unshielded MP 10/100 Mbit with POE MP+ 10/100 Mbit with POE+									
Assembly on PCB									
R Through Hole Reflow – THR Soldering process: Wave or Reflow soldering S Surface Mount Technology – SMT Soldering process: Reflow soldering T Through Hole Technology – THT Soldering process: Wave									
Number of Ports									
1 1 Port 12; 14; ... multi ports side by side, Multiport 21; 41; ... multi ports about each other, Multilevel									
Direction, latch style									
U Horizontal (90°, side entry), latch up D Horizontal (90°, side entry), latch down V Vertical (180°, top entry) Y Diagonal (45°), latch up									
Solder Pin length									
3.2 3.2 mm 1.6 1.6 mm D SMD									
EMI tabs (ground fingers)									
E E = with EMI tabs N N = without EMI tabs									
Contact surface thickness									
4 1 = 3µ", 2 = 6µ", 3 = 15µ", 4 = 30µ", 5 = 50µ"									
LED									
Y/G Yellow/Green G/Y Green/Yellow (standard) GY/GY Green-Yellow/Green-Yellow O/G Orange/Green R/O Red/Orange ... (further combinations possible) N without LED									
Packaging									
TY Tray in box (manual assembly) RL Tape on Reel (automated assembly)									

**RJ45 modular jacks
for SMT soldering process**

1x1 port, 180° (vertical)



- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automatic assembly (tape-on-reel)
- Optimised package sizes
- Other variations on request

For additional articles and information, refer to catalog.weidmueller.com

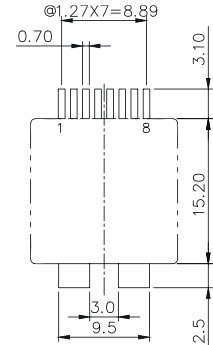
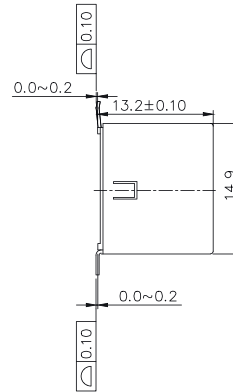
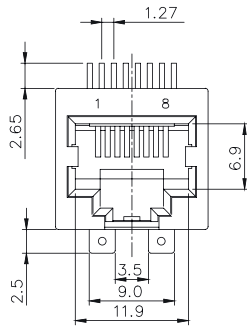
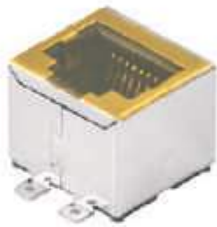


Technical data

Outgoing elbow	180°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Copper alloy
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Rated voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation strength	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS

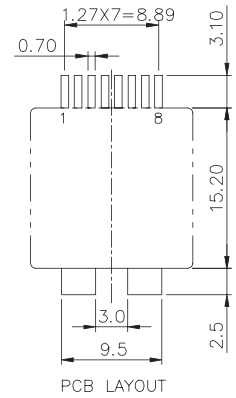
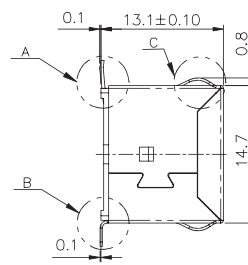
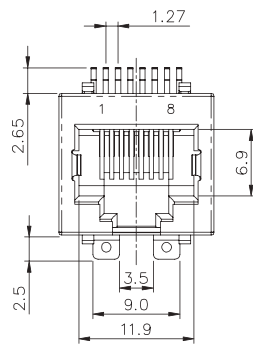
D



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 S1V 2.7N4N RL	SMD solder connection		none	No	Cat. 5	Tape	300	1433900000
Other versions on request								





PCB LAYOUT

Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 S1V 2.7E4N RL	SMD solder connection		4 tabs	No	Cat. 5	Tape	300	251460000

RJ45 modular jacks for SMT soldering process

1x1 port, 90° (horizontal) latch down

For additional articles and information, refer to catalog.weidmuller.com

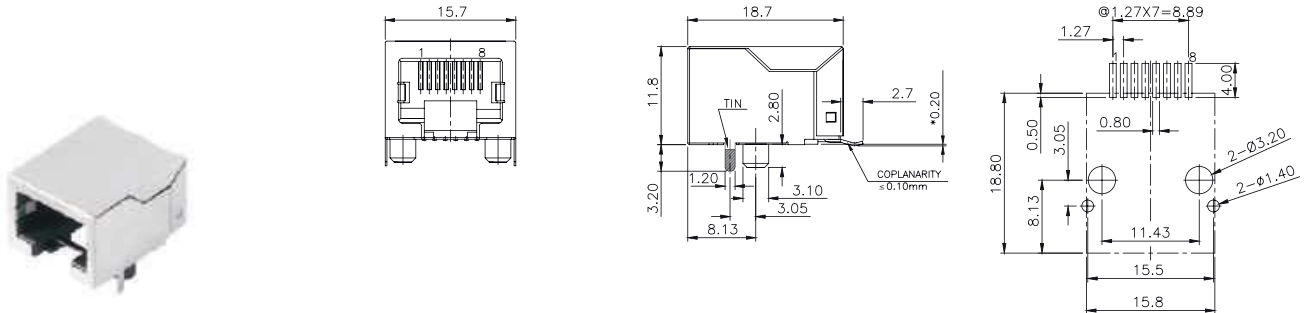


- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automatic assembly (tape-on-reel)
- Optimised package sizes
- Other variations on request

Technical data

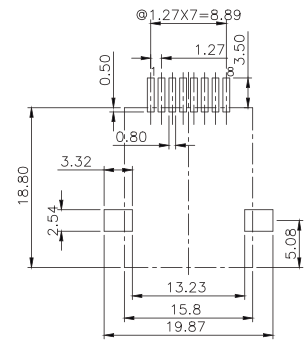
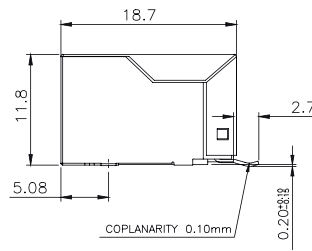
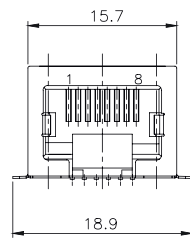
Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Copper alloy
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Rated voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation strength	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 S1D 2.7N4N RL	SMD solder connection	bottom	none	No	Cat. 5	Tape	240	2000890000



Recommended P C B
L a y o u t (o p s i d e)

Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 S1D 2.7N4N RL	SMD solder connection	bottom	none	No	Cat. 5	Tape	260	1433890000
Other versions on request								



RJ45 modular jacks for SMT soldering process

1x1 port, 90° (horizontal) latch up



- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automatic assembly (tape-on-reel)
- Optimised package sizes
- Other variations on request

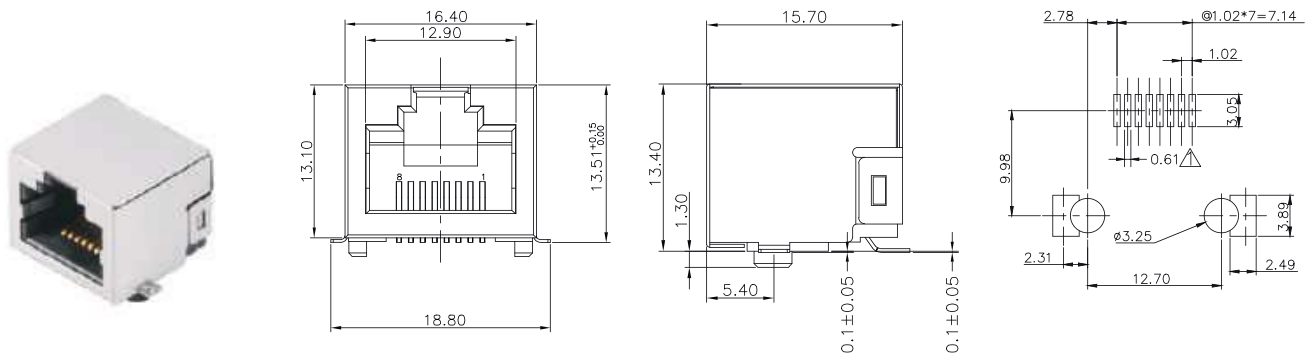
For additional articles and information, refer to catalog.weidmueller.com



Technical data

Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Copper alloy
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

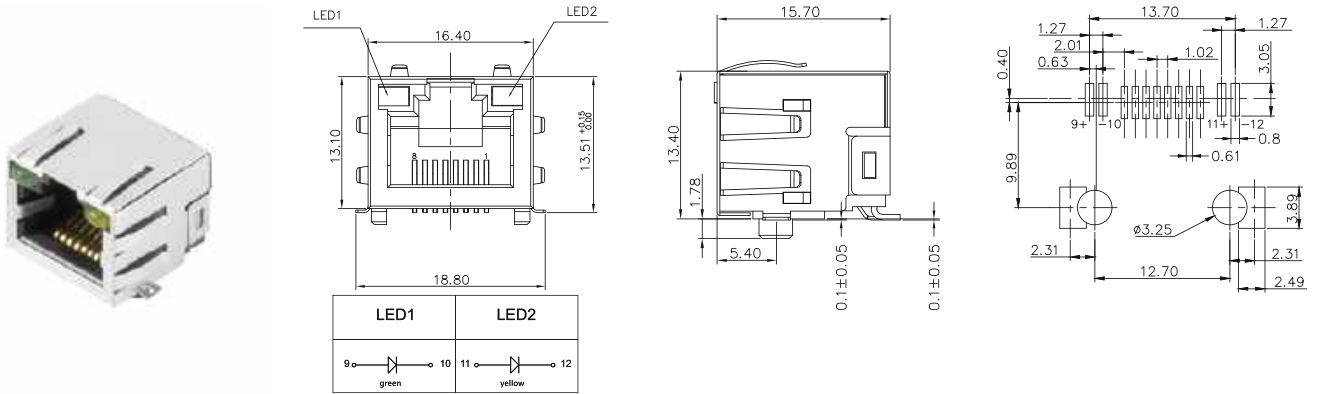
Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Rated voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation strength	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS



Ordering data

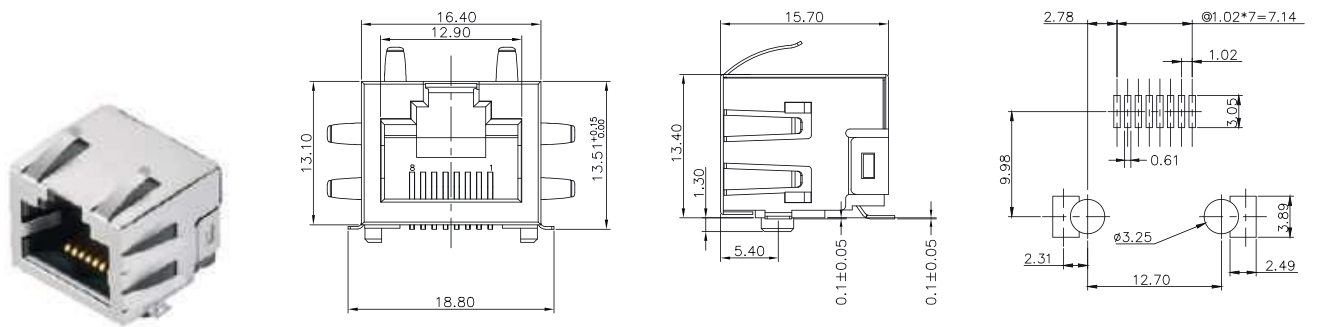
Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5E S1U 0.9N4N RL	SMD solder connection	top	none	No	Cat. 5e	Tape	200	1455220000
Other versions on request								





Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5E S1U DE4G/Y RL	SMD solder connection	top	6 tabs	Yes	Cat. 5e	Tape	200	2562890000



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5E S1U DE4N RL	SMD solder connection	top	6 tabs	No	Cat. 5e	Tape	200	2562940000

RJ45 modular jacks for THR soldering process

1x1 port, 180° (vertical)

For additional articles and information, refer to
catalog.weidmueller.com



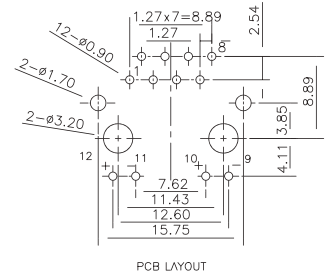
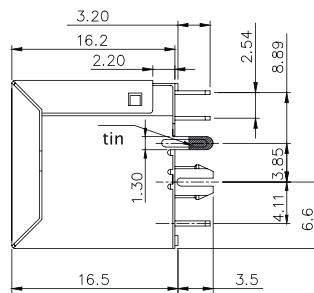
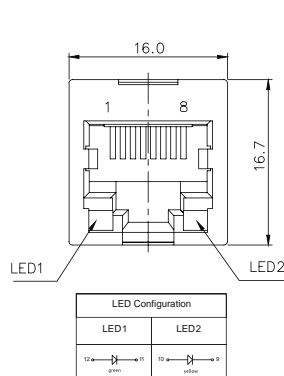
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

Technical data

Outgoing elbow	180°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Rated voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation strength	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS

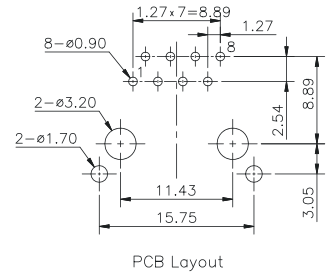
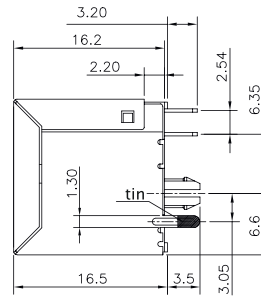
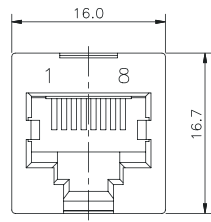
D



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 R1V 3.2N4G/Y TY	THT/THR solder connection		none	Yes	Cat. 5	Tray	120	2516380000





Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 R1V 3.2N4N RL	THT/THR solder connection		none	No	Cat. 5	Tape	200	2562970000

RJ45 modular jacks for THR soldering process

1x1 port, 90° (horizontal) latch down

For additional articles and information, refer to catalog.weidmueller.com

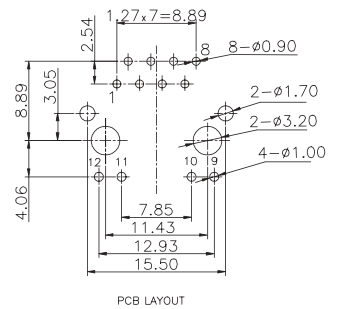
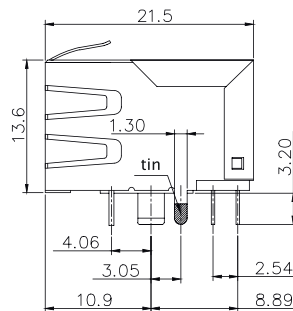
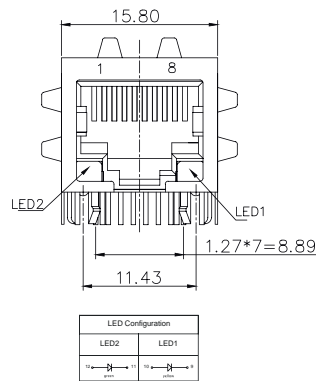


- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

Technical data

Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

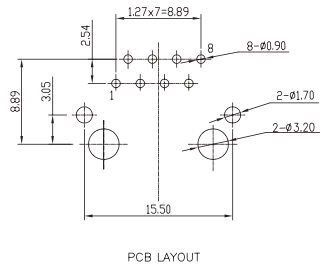
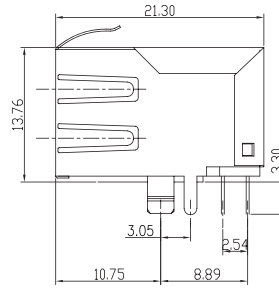
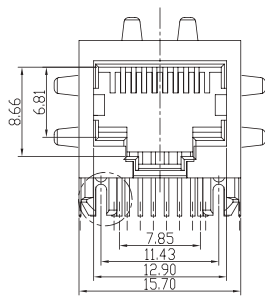
Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Rated voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation strength	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 R1D 3.2E4G/Y RL	THT/THR solder connection	bottom	6 tabs	Yes	Cat. 5	Tape	200	2562870000





Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 R1D 3.3E4N RL	THT/THR solder connection	bottom	6 tabs	No	Cat. 5	Tape	200	2562910000



**RJ45 modular jacks
for THR soldering process**

1x1 port, 90° (horizontal) latch up



- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

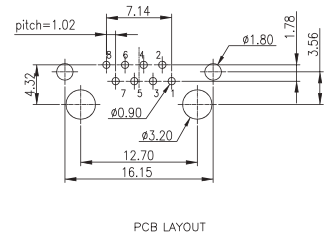
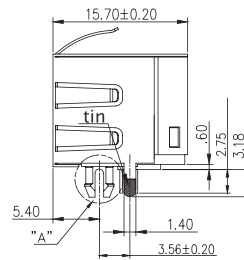
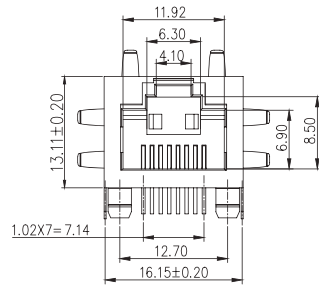
For additional articles and information, refer to catalog.weidmuller.com



Technical data

Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

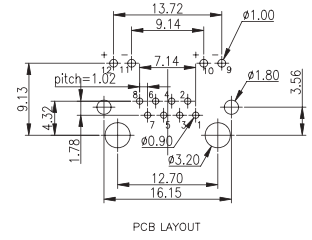
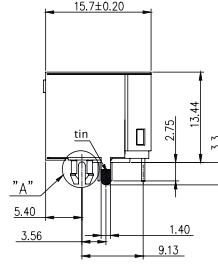
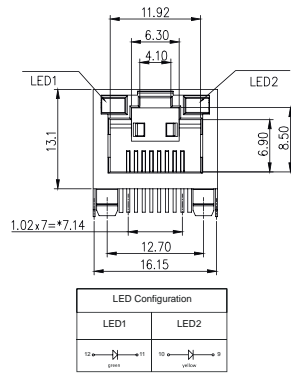
Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Rated voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation strength	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 R1U 2.8E4N RL	THT/THR solder connection	bottom	6 tabs	No	Cat. 5	Tape	200	2562930000





Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 R1U 2.8N4G/Y RL	THT/THR solder connection	top	none	Yes	Cat. 5	Tape	200	2562950000

**RJ45 modular jacks
for wave soldering process**

1x1 port, 180° (vertical)

For additional articles and information, refer to catalog.weidmueller.com



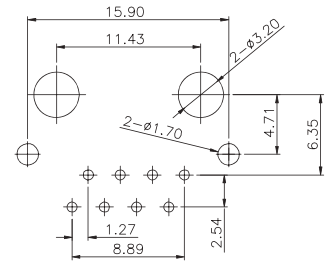
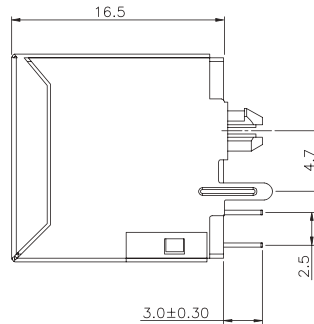
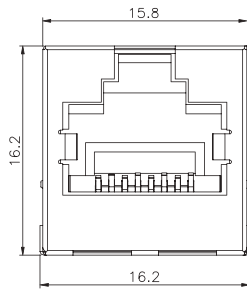
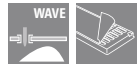
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For manual assembly
- Optimised package sizes
- Other variations on request

Technical data

Outgoing elbow	180°
Pitch	1.27 mm
Type of insulation material	PA 66
Colour	black
UL 94 flammability rating	V-0
Shielding material	Brass, nickel-plated
Shield surface	nickel-plated
Contact base material	

Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Rated voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation strength	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS

Note

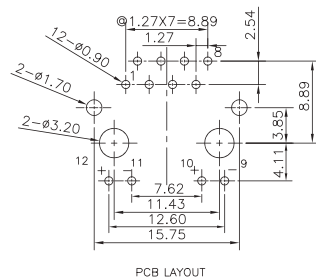
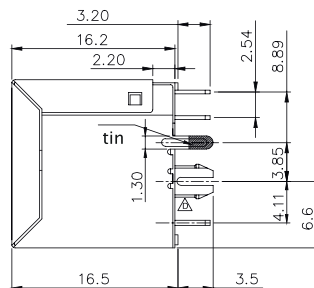
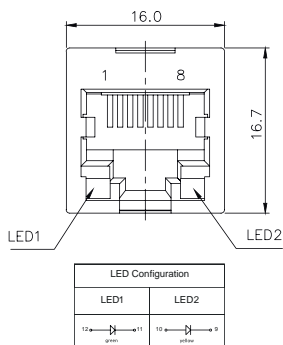


Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C6 T1V 3.0N4N TY	THT solder connection		none	No	Cat. 6	Tray (manual assembly)	160	2626050000

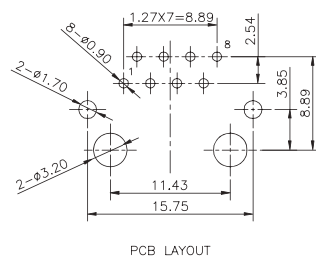
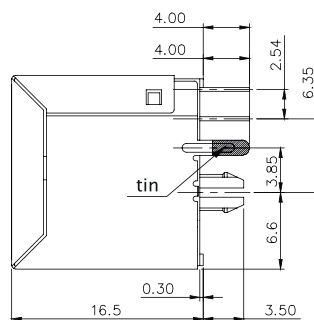
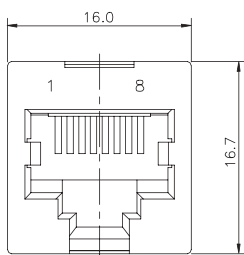
Other versions on request





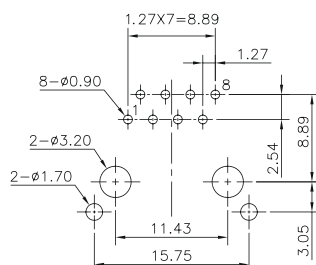
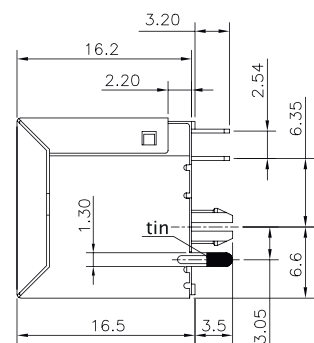
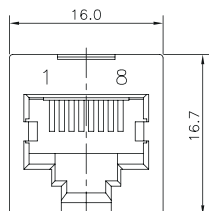
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1V 3.2N4G/Y TY	THT solder connection		none	Yes	Cat. 5	Tray (manual assembly)	120	2562960000



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1V 4.0N4N TY	THT solder connection		none	No	Cat. 5	Tray (manual assembly)	120	2436450000



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1V 3.2N4N TY	THT solder connection		none	No	Cat. 5	Tray	120	1433810000

Other versions on request



**RJ45 modular jacks
for wave soldering process**

1x1 port, 90° (horizontal) latch down

For additional articles and information, refer to catalog.weidmueller.com



- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For manual assembly
- Optimised package sizes
- Other variations on request

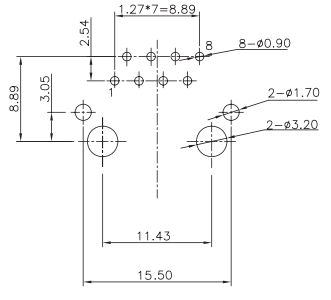
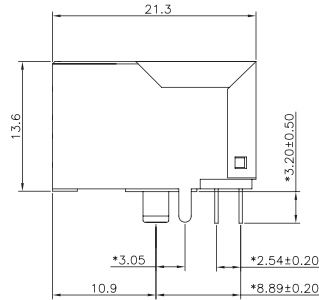
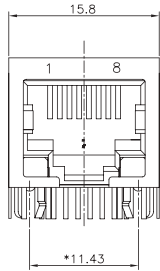
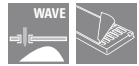
Technical data

Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 66
Colour	black
UL 94 flammability rating	V-0
Shielding material	Copper alloy
Shield surface	nickel-plated
Contact base material	Phosphorus bronze

Layer structure of plug contact	30...80 µ" Ni / ≥ 30 µ" Au
Operating temperature	-40...85 °C
Rated voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation strength	≥ 500 MΩ
Plugging cycles	750
Approvals	CURUS

Note

D

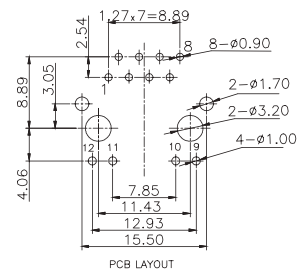
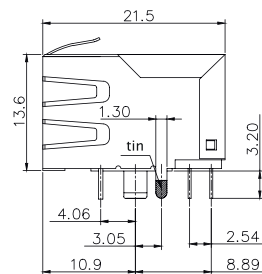
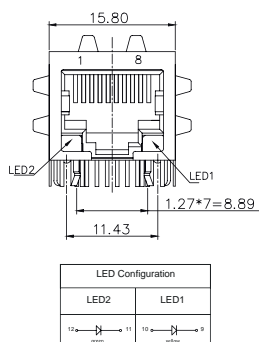


Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1D 3.3N4N TY	THT solder connection	bottom	none	No	Cat. 5	Tray	120	1433800000

Other versions on request

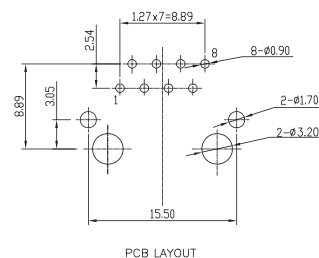
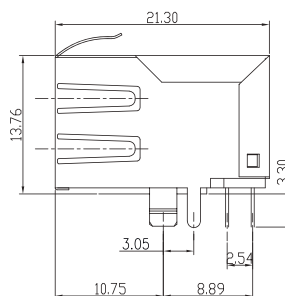
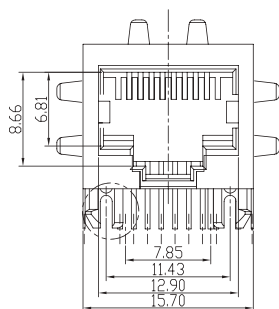




Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1D 3.2E4G/Y TY	THT solder connection	bottom	6 tabs	Yes	Cat. 5	Tray (manual assembly)	140	2562820000

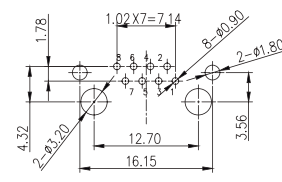
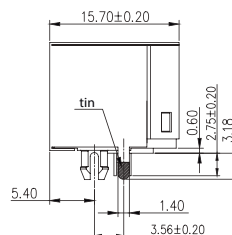
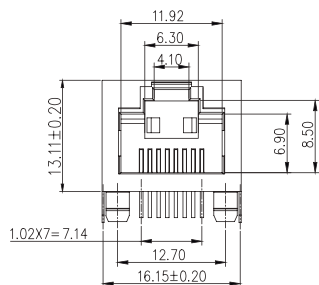
D



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1D 3.3E4N TY	THT solder connection	bottom	6 tabs	No	Cat. 5	Tray (manual assembly)	120	2562900000





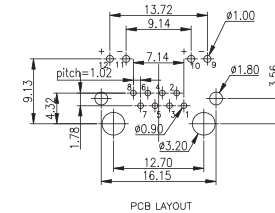
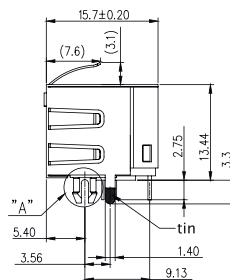
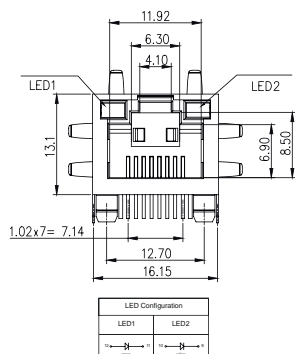
Recommended PCB-Layout

Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1U 2.8N4N TY	THT solder connection	top	none	No	Cat. 5	Tray	140	1455240000

Other versions on request

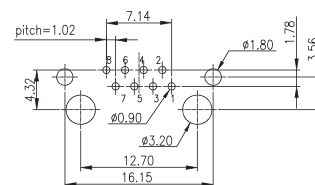
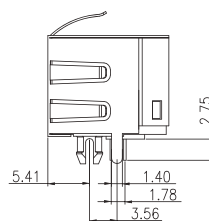
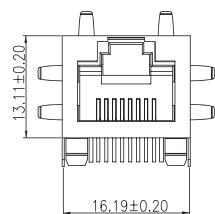
D



PCB LAYOUT

Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1U 2.8E4G/Y TY	THT solder connection	top	6 tabs	Yes	Cat. 5	Tray (manual assembly)	140	2562880000



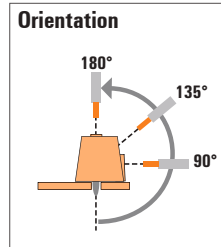
PCB LAYOUT

Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45C5 T1U 2.8E4N TY	THT solder connection	top	6 tabs	No	Cat. 5	Tray (manual assembly)	140	2562920000

90°

<http://www.OMNIMATE.net>



RJ45 transformer jacks

- With magnetics
- Shielded
- Contact surface 30µ" Au
- temperature range:
-40 °C to +85 °C



Mounting onto the PCB



SMT-soldering process



THR-soldering process



Wave soldering process

Reference picture	Outgoing elbow/ Latch option	Shield tabs	LED (left/ right)	Performance category
	90° horizontal/latch down	No	No	10/100 Mbit/s
	180° vertical	No	YG/YG	1000 MBit/s
		No	YG/YG	10/100 Mbit/s
		No	Y/G	10/100 Mbit/s
	90° liegend/latch down	Yes	No	1000 MBit/s
		Yes	G/Y	1000 MBit/s
		Yes	No	10/100 Mbit/s
		Yes	G/Y	10/100 Mbit/s
		No	Y/G	10/100 Mbit/s
	90° horizontal/latch down Multiport	Yes	YG/YG	1000 MBit/s
		Yes	G/Y	1000 MBit/s
		No	YG/YG	1000 MBit/s
		No	G/Y	10/100 Mbit/s
	90° horizontal/latch down Multiport	Yes	No	10/100 Mbit/s
		Yes	G/Y	10/100 Mbit/s
	90° horizontal/latch down Multiport	Yes	G/Y	10/100 Mbit/s

Packaging	Order No.	Type
Tape	2564450000	RJ45M S1D DE4N RL
Tape	2562160000	RJ45G R1V 1.9N4YG/YG RL
Tape	2562150000	RJ45M R1V 1.9N4YG/YG RL
Tray	2461070000	RJ45M R1V 3.3N4Y/G TY
Tape	2564440000	RJ45G1 R1D 3.2E4N RL
Tray	2544510000	RJ45G1 R1D 3.3E4G/Y TY
Tape	2564430000	RJ45M R1D 3.2E4N RL
Tape	2564410000	RJ45M R1D 3.3E4G/Y RL
Tray	2461060000	RJ45M R1D 3.3N4Y/G TY
Tape	2036510000	RJ45G1 R12D 3.3E4YG/YG RL
Tray	2544500000	RJ45G1 R12D 3.3E4G/Y TY
Tape	2485370000	RJ45G1 R12D 3.3N4YG/YG RL
Tape	2551900000	RJ45M R12D 3.2N4G/Y RL
Tray	2474160000	RJ45M T1D 3.2E4N TY
Tray	2563850000	RJ45M T1D 3.3E4G/Y TY
Tape	2036460000	RJ45M T12D 3.3E4G/Y RL

RJ45	G1	R	1	U	3.2	E	4	GY/GY	TY
Performance Category									
C5 Category 5									
C6 Category 6									
C6A Category 6A									
C5e Category 5e									
M 10/100 Mbit									
G1 10/100/1000 Mbit									
G10 10 Gbit									
U Unshielded									
MP 10/100 Mbit with POE									
MP+ 10/100 Mbit with POE+									
Assembly on PCB									
R Through Hole Reflow - THR Soldering process: Wave or Reflow soldering									
S Surface Mount Technology - SMT Soldering process: Reflow soldering									
T Through Hole Technology - THT Soldering process: Wave									
Number of Ports									
1 1 Port									
12; 14; ... multi ports side by side, Multiport									
21; 41; ... multi ports about each other, Multilevel									
Direction, latch style									
U Horizontal (90°, side entry), latch up									
D Horizontal (90°, side entry), latch down									
V Vertical (180°, top entry)									
Y Diagonal (45°), latch up									
Solder Pin length									
3.2 3.2 mm									
1.6 1.6 mm									
D SMD									
EMI tabs (ground fingers)									
E E = with EMI tabs									
N N = without EMI tabs									
Contact surface thickness									
4 1 = 3µ", 2 = 6µ", 3 = 15µ",									
4 = 30µ", 5 = 50µ"									
LED									
Y/G Yellow/Green									
G/Y Green/Yellow (standard)									
GY/GY Green-Yellow/Green-Yellow									
O/G Orange/Green									
R/O Red/Orange									
... (further combinations possible)									
N without LED									
Packaging									
TY Tray in box (manual assembly)									
RL Tape on Reel (automated assembly)									

**RJ45 transformer jacks
for SMT soldering process**

1x1 port, 90° (horizontal) latch down



- With integrated magnetics
- 360° shielding
- Contact surface 30µm (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automatic assembly (tape-on-reel)
- Optimised package sizes
- Other variations on request

For additional articles and information, refer to catalog.weidmueller.com



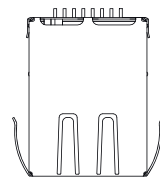
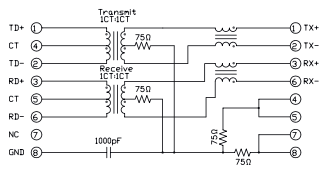
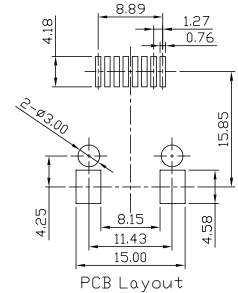
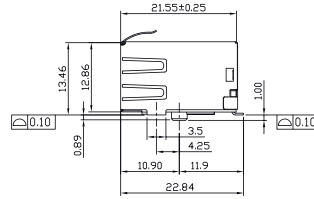
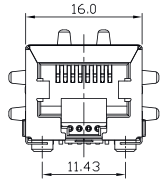
Characteristics

Inductance	350 µH min. at 100 kHz, 100 mV, 8 mA DC Bias
Leakage Inductance	0.3 µH max. at 100 kHz, 100 mV
Insertion Loss	1.1 dB max. at (1 - 100) MHz
Return Loss	18 dB min. at (1 - 30) MHz 16 dB min. at (30 - 60) MHz 12 dB min. at (60 - 80) MHz
Cross Talk	30 dB min. at (1 - 100) MHz
Common Mode Rejection	30 dB min. at (1 - 100) MHz

Technical data

Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

Layer structure of plug contact	30...80 µm Ni / ≥ 30 µm Au
Operating temperature	-40...85 °C
Rated voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation strength	
Plugging cycles	750
Approvals	CURUS



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M S1D DE4N RL	SMD solder connection	bottom	6 tabs	No	10/100 MBit/s	Tape	220	2564450000



**RJ45 transformer jacks
for THR soldering process**

1x1 port, 180° (vertical)



- With integrated magnetics
- 360° shielding
- Contact surface 30µm (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

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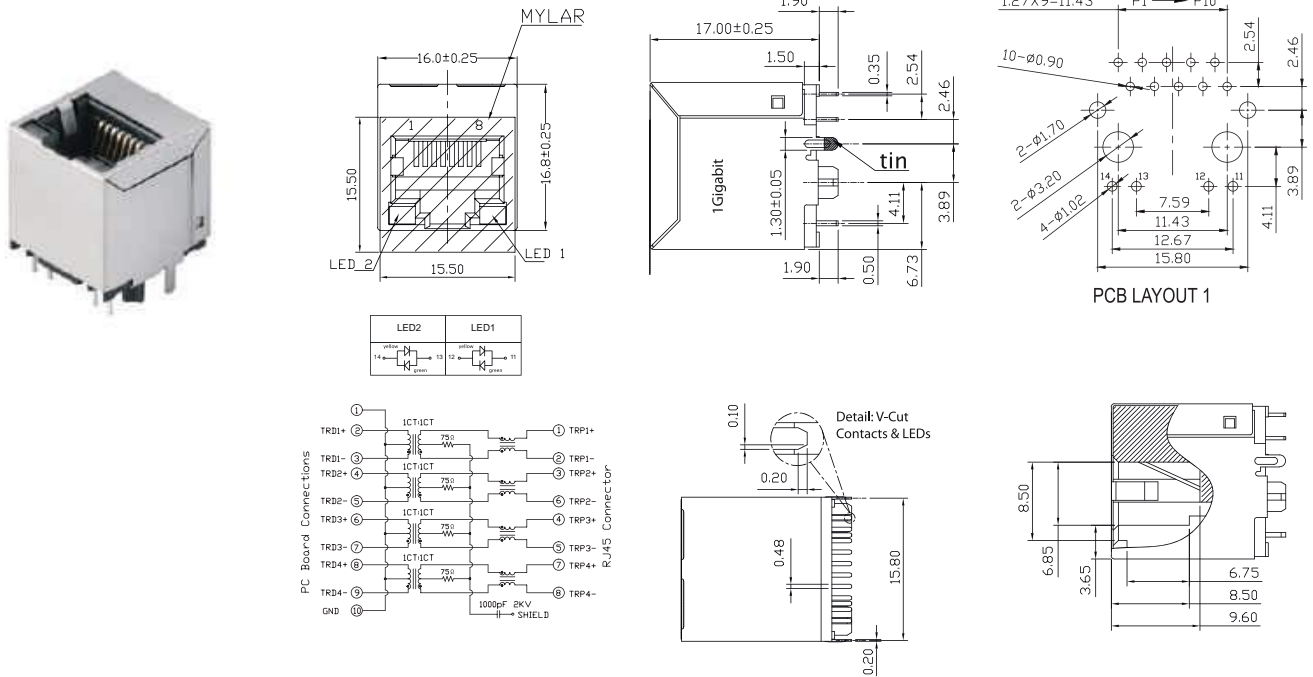
Characteristics

Inductance	350 µH min. at 100 kHz, 100 mV, 8 mA DC Bias
Leakage Inductance	0.3 µH max. at 100 kHz, 100 mV
Insertion Loss	1.1 dB max. at (1 - 100) MHz
Return Loss	18 dB min. at (1 - 30) MHz 16 dB min. at (30 - 60) MHz 12 dB min. at (60 - 80) MHz
Cross Talk	30 dB min. at (1 - 100) MHz
Common Mode Rejection	30 dB min. at (1 - 100) MHz

Technical data

Outgoing elbow	180°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

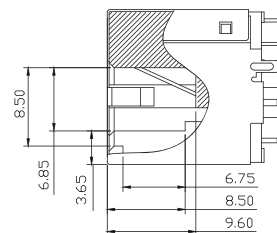
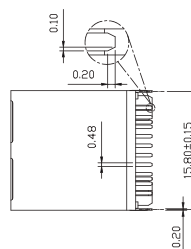
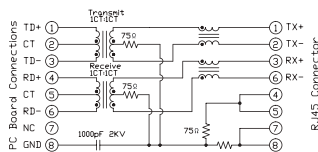
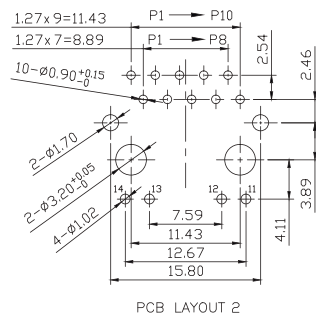
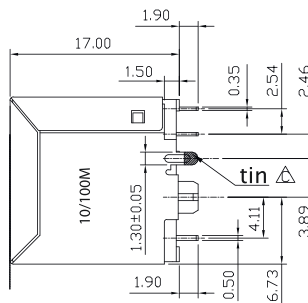
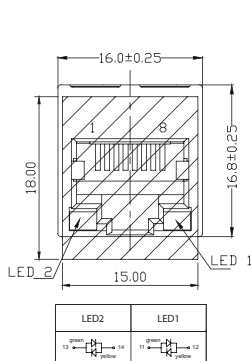
Layer structure of plug contact	30...80 µm Ni / ≥ 30 µm Au
Operating temperature	-40...85 °C
Rated voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation strength	
Plugging cycles	750
Approvals	CURUS



Ordering data

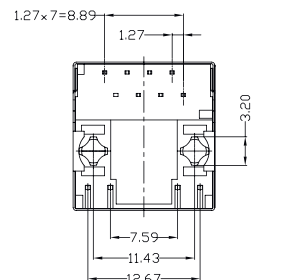
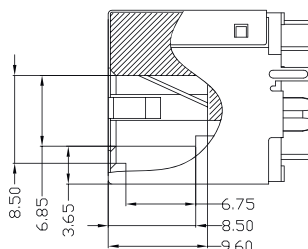
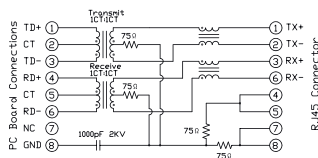
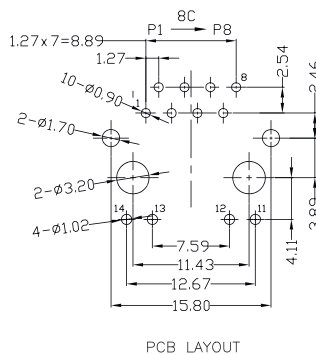
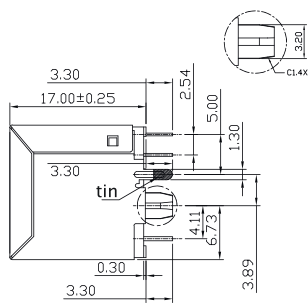
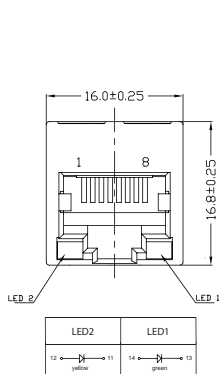
Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45G R1V 1.9N4YG/YG RL	THT/THR solder connection		none	Yes	1000 Mbps	Tape	200	2562160000





Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M R1V 1.9N4YG/YG RL	THT/THR solder connection		none	Yes	10/100 MBit/s	Tape	200	2562150000



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M R1V 3.3N4Y/G TY	THT/THR solder connection		none	Yes	10/100 MBit/s	Tray (manual assembly)	120	2461070000

RJ45 transformer jacks for THR soldering process

1x1 port, 90° (horizontal) latch down



- With integrated magnetics
- 360° shielding
- Contact surface 30µm (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

For additional articles and information, refer to catalog.weidmuller.com



Characteristics

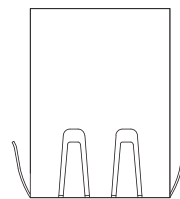
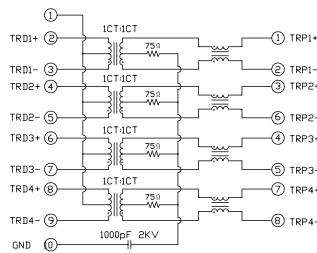
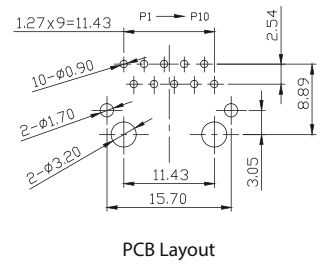
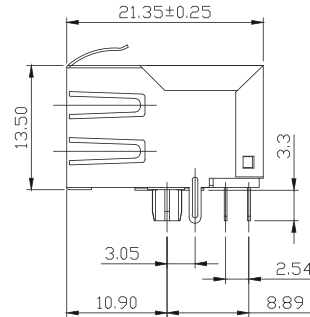
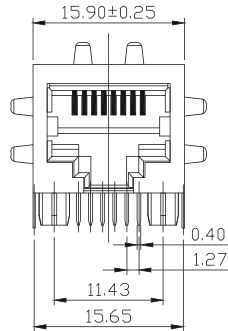
Inductance	350 µH min. at 100 kHz, 100 mV, 8 mA DC Bias
Leakage Inductance	0.3 µH max. at 100 kHz, 100 mV
Insertion Loss	1.1 dB max. at (1 - 100) MHz
Return Loss	18 dB min. at (1 - 30) MHz 16 dB min. at (30 - 60) MHz 12 dB min. at (60 - 80) MHz
Cross Talk	30 dB min. at (1 - 100) MHz
Common Mode Rejection	30 dB min. at (1 - 100) MHz

Technical data

Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze

Layer structure of plug contact	30...80 µm Ni / ≥ 30 µm Au
Operating temperature	-40...85 °C
Rated voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation strength	
Plugging cycles	750
Approvals	CURUS

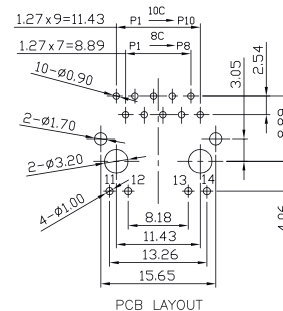
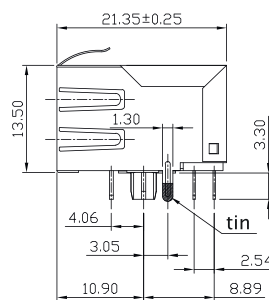
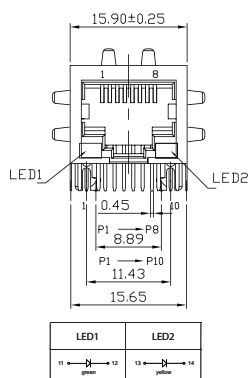
Note



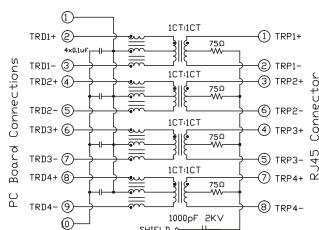
Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45G1 R1D 3.2E4N RL	THT/THR solder connection	bottom	6 tabs	No	1000 Mbps	Tape	200	2564440000



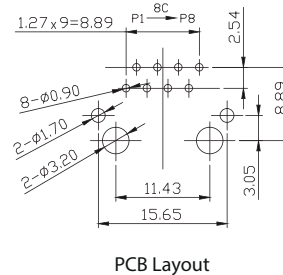
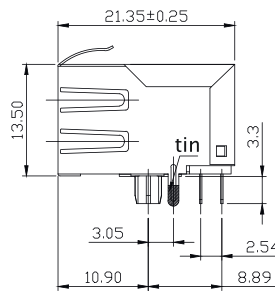
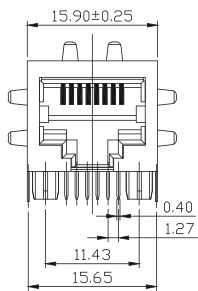


PCB LAYOUT

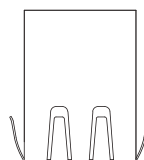
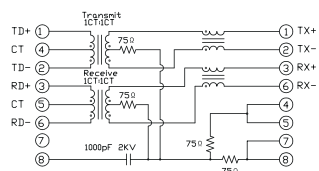


Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45G1 R1D 3.3E4G/Y TY	THT/THR solder connection	bottom	6 tabs	Yes	1000 Mbps	Tray (manual assembly)	120	2544510000



PCB Layout

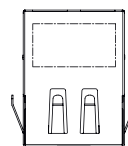
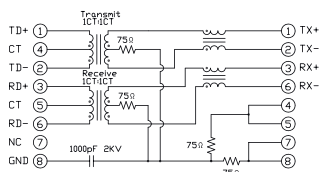
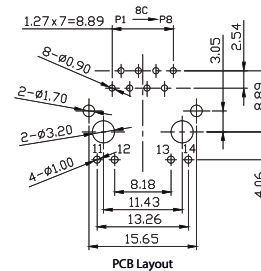
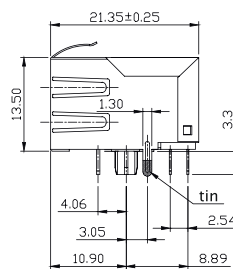
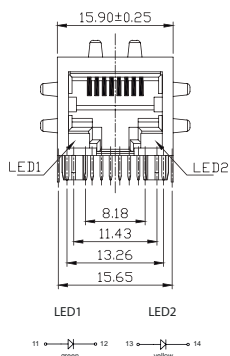


Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M R1D 3.2E4N RL	THT/THR solder connection	bottom	6 tabs	No	10/100 MBit/s	Tape	200	2564430000

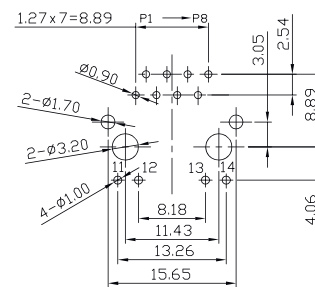
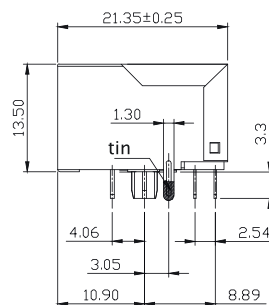
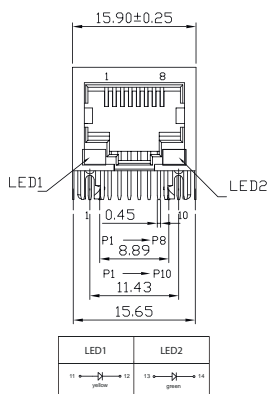


RJ45 transformer jacks for THR soldering process

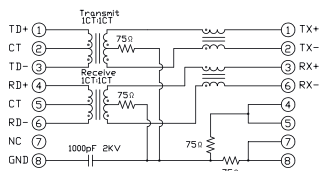


Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M R1D 3.3E4G/Y RL	THT/THR solder connection	bottom	6 tabs	Yes	10/100 MBit/s	Tape	200	2564410000



PCB Layout



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M R1D 3.3N4Y/G TY	THT/THR solder connection	bottom	none	Yes	10/100 MBit/s	Tray (manual assembly)	120	2461060000

**RJ45 transformer jacks
for THR soldering process**

1x2 multiport, 90° (horizontal) latch down



- With integrated magnetics
- 360° shielding
- Contact surface 30µm (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

For additional articles and information, refer to catalog.weidmueller.com



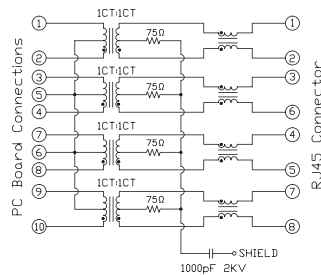
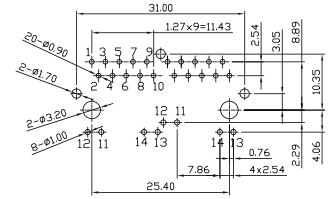
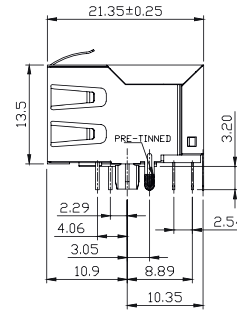
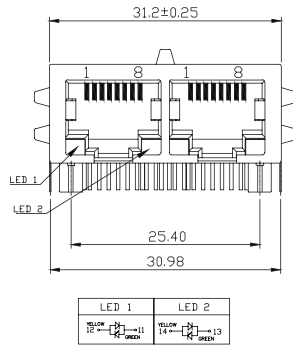
Characteristics

Inductance	350 µH min. at 100 kHz, 100 mV, 8 mA DC Bias
Leakage Inductance	0.3 µH max. at 100 kHz, 100 mV
Insertion Loss	1.1 dB max. at (1 - 100) MHz
Return Loss	18 dB min. at (1 - 30) MHz 16 dB min. at (30 - 60) MHz 12 dB min. at (60 - 80) MHz
Cross Talk	30 dB min. at (1 - 100) MHz
Common Mode Rejection	30 dB min. at (1 - 100) MHz

Technical data

Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 9T
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze
Note	

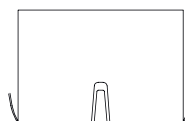
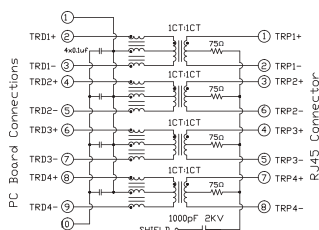
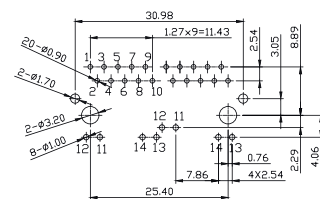
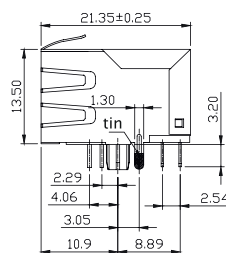
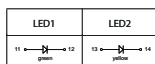
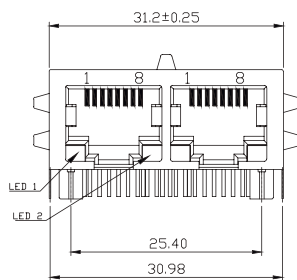
Layer structure of plug contact	30...80 µm Ni / ≥ 30 µm Au
Operating temperature	-40...85 °C
Rated voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation strength	
Plugging cycles	750
Approvals	CURUS



Ordering data

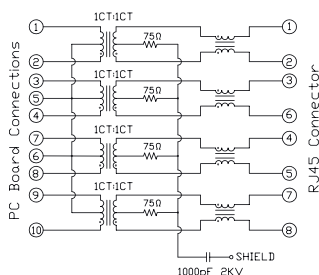
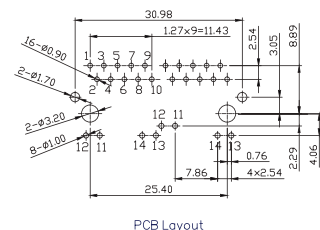
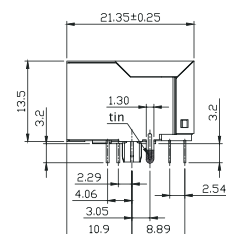
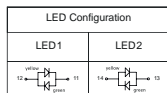
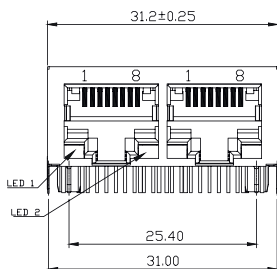
Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45G1 R12D 3.2E4YG/YG RL	THT/THR solder connection	bottom	6 tabs	Yes	1000 Mbps	Tape	180	2036510000





Ordering data

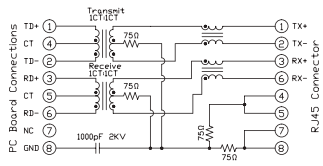
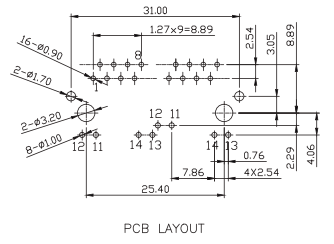
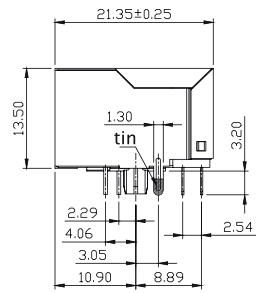
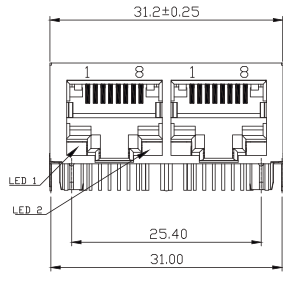
Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45G1 R12D 3.3E4G/Y TY	THT/THR solder connection	bottom	6 tabs	Yes	1000 Mbps	Tray (manual assembly)	80	2544500000



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45G1 R12D 3.2N4YG/YG RL	THT/THR solder connection	bottom	none	Yes	1000 Mbps	Tape	200	2485370000

RJ45 transformer jacks
for THR soldering process



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M R12D 3.2N4G/Y RL	THT/THR solder connection	bottom	none	Yes	10/100 MBit/s	Tape	200	2551900000



RJ45 transformer jacks for wave soldering process

1x1 port, 90° (horizontal) latch down



- With integrated magnetics
- 360° shielding
- Contact surface 30µm (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For or manual assembly (tray)
- Optimised package sizes
- Other variations on request

For additional articles and information, refer to catalog.weidmueller.com



Characteristics

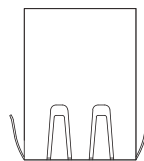
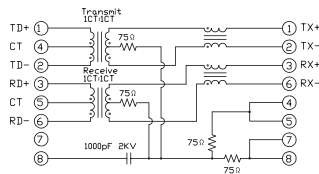
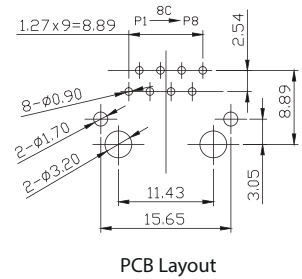
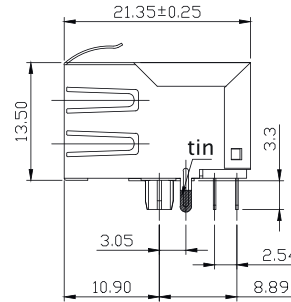
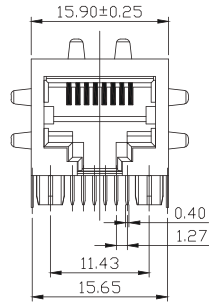
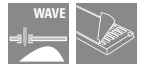
Inductance	350 µH min. at 100 kHz, 100 mV, 8 mA DC Bias
Leakage Inductance	0.3 µH max. at 100 kHz, 100 mV
Insertion Loss	1.1 dB max. at (1 - 100) MHz
Return Loss	18 dB min. at (1 - 30) MHz 16 dB min. at (30 - 60) MHz 12 dB min. at (60 - 80) MHz
Cross Talk	30 dB min. at (1 - 100) MHz
Common Mode Rejection	30 dB min. at (1 - 100) MHz

Technical data

Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 66
Colour	black
UL 94 flammability rating	V-0
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze

Layer structure of plug contact	30...80 µm Ni / ≥ 30 µm Au
Operating temperature	-40...85 °C
Rated voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation strength	
Plugging cycles	750
Approvals	CURUS

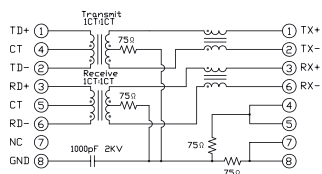
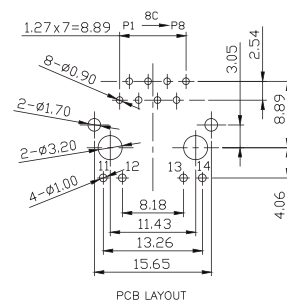
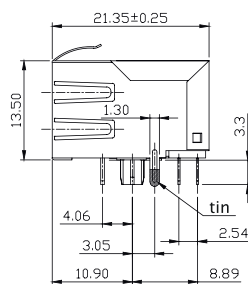
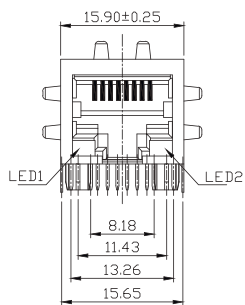
Note



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M T1D 3.2E4N TY	THT solder connection	bottom	6 tabs	No	10/100 MBit/s	Tray (manual assembly)	120	2474160000





Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M T1D 3.3E4G/Y TY	THT solder connection	bottom	6 tabs	Yes	10/100 MBit/s	Tray (manual assembly)	120	2563850000



RJ45 transformer jacks for wave soldering process

1x2 multiport, 90° (horizontal) latch down



- With integrated magnetics
- 360° shielding
- Contact surface 30µm (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automatic assembly (tape-on-reel)
- Optimised package sizes
- Other variations on request

For additional articles and information, refer to catalog.weidmueller.com



Characteristics

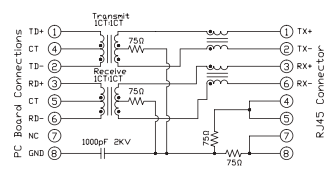
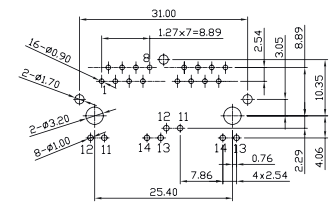
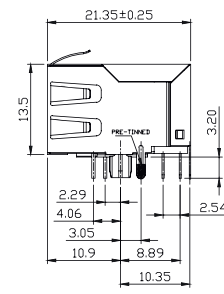
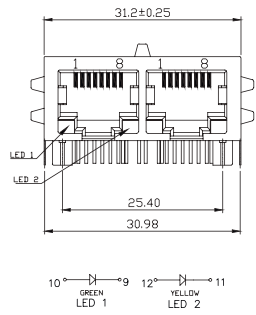
Inductance	350 µH min. at 100 kHz, 100 mV, 8 mA DC Bias
Leakage Inductance	0.3 µH max. at 100 kHz, 100 mV
Insertion Loss	1.1 dB max. at (1 - 100) MHz
Return Loss	18 dB min. at (1 - 30) MHz 16 dB min. at (30 - 60) MHz 12 dB min. at (60 - 80) MHz
Cross Talk	30 dB min. at (1 - 100) MHz
Common Mode Rejection	30 dB min. at (1 - 100) MHz

Technical data

Outgoing elbow	90°
Pitch	1.27 mm
Type of insulation material	PA 66
Colour	black
UL 94 flammability rating	V-0
Shielding material	Brass
Shield surface	nickel-plated
Contact base material	Phosphorus bronze

Layer structure of plug contact	30...80 µm Ni / ≥ 30 µm Au
Operating temperature	-40...85 °C
Rated voltage	125 V
Rated current	1.5 A
Dielectric strength, contact / contact	1000 V DC
Insulation strength	
Plugging cycles	750
Approvals	CURUS

Note



Ordering data

Type	Mounting onto the PCB	Latch option	Shield tabs	LED	Performance-Category	Packaging	Qty.	Order No.
RJ45M T12D 3.3E4G/Y RL	THT solder connection	bottom	6 tabs	Yes	10/100 MBit/s	Tape	180	2036460000



OMNIMATE[®] Data – USB

OMNIMATE[®] Data – USB	Explanation	E.2
	Quick selection	E.4
	USB jacks for SMT soldering process	E.6
	USB jacks for THR soldering process	E.8
	USB jacks for wave soldering process	E.10

OMNIMATE® Data USB jacks

Reliable data interfaces for your device

Plug-in connectors and jacks for data transmission are already an integral part of the future-proof device design. In the industrial environment, they have to stand up to exacting requirements and the ever-increasing data transmission rates demand high-quality on individual components.

For this, our USB data jacks ensure a high data transmission rate, a robust plug and play operation with reliable PCB assembly possibilities.

E

Reinforced gold surface
up to 1.500 mating cycles meet the requirements for high durability



Reliable PCB assembly with any technology
SMT, THR or THT soldering method; Tape on Reel or assembly by hand (Tray)



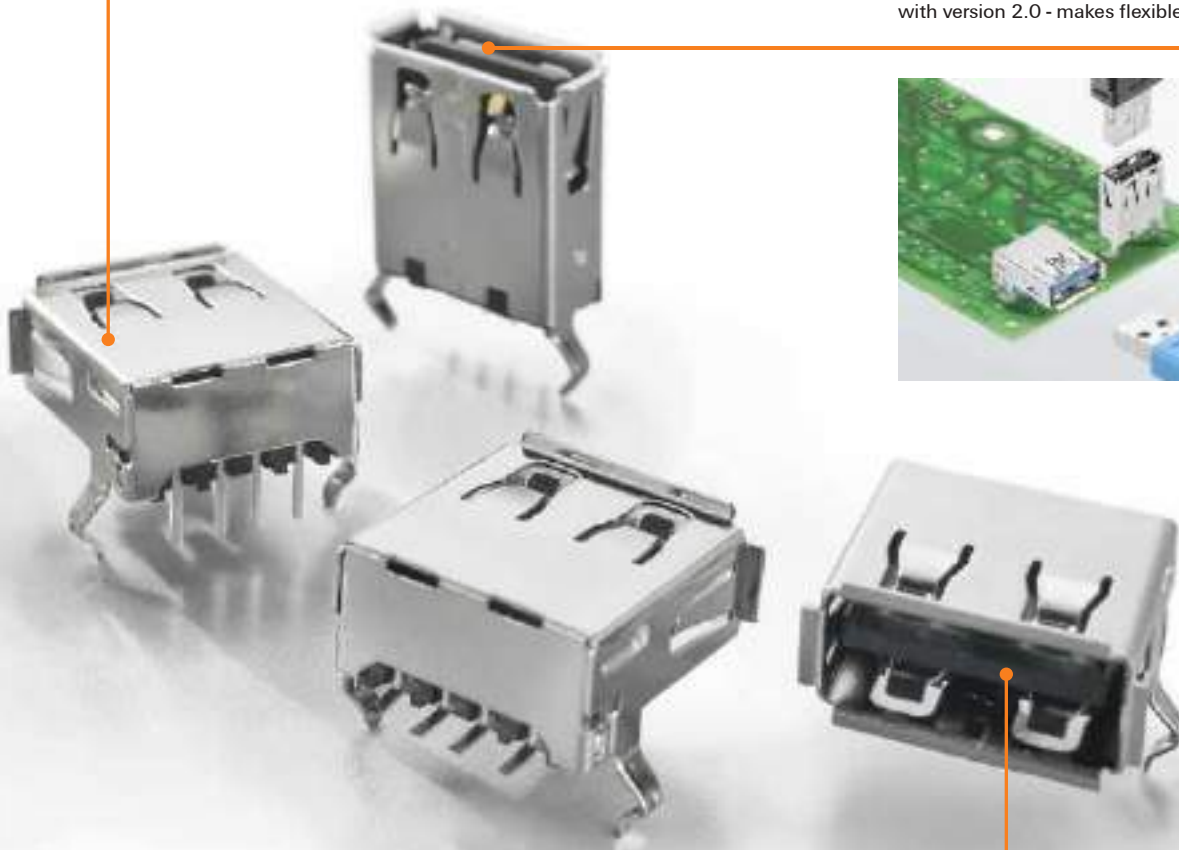
Variable outlet directions

The 90°/180° variants allow optimum adaptation to the various housing formats



USB 3.0 jacks support a data rate up to 5 Gbit/s

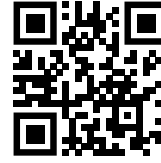
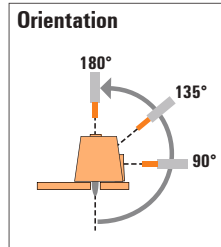
For fast data transmission. USB 3.0 Hosts and devices are generally backwards compatible with version 2.0 - makes flexible use possible



Robust plug & play operation

connect and disconnect without powering down or restarting the system

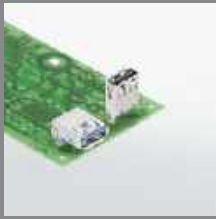
<http://www.OMNIMATE.net>



USB 3.0/2.0 jacks

Rated current up to 1,5 A

- Up to 1500 mating cycles
- Backwards compatible



Mounting onto the PCB



SMT-soldering process



THR-soldering process



Wave soldering process

Reference picture	Outgoing elbow	Performance category	Packaging	Order No.	Type
	180° vertical	480 Mbit/s	Reel	2762070000	USB-MIC2.0B S1V 1N1 RL BK
	180° vertical	480 Mbit/s	Tray	2878140000	USB2.0A S1V 0.8N4 RL BK
	90° horizontal	480 Mbit/s	Tray	2563720000	USB2.0A S1H 1.4N4 TY BK
	180° vertical	480 Mbit/s	Tray	2563730000	USB2.0A R1V 2.5N4 TY BK
	180° vertical	5 Gbit/s	Tray	1549730000	USB3.0A R1V 3.0N2 TY BL
	90° horizontal	480 Mbit/s	Tray	2878150000	USB2.0A R1H 2.5N4 RL BK
	180° vertical	480 Mbit/s	Tray	1985910000	USB2.0A T1V 2.5N4 TY BK
	90° horizontal	480 Mbit/s	Tray	2563710000	USB2.0A T1H 2.5N4 TY BK
	90° horizontal	5 Gbit/s	Tray	2563550000	USB3.0A T1H 2.3N4 TY BL

USB	3.0A	R	1	V	3.0	N	4	TY	BK
Type / Performance 2.0A USB 2.0 Type A 3.0A USB 3.0 Type A									
Assembly on PCB R Through Hole Reflow - THR Soldering process: Wave or Reflow soldering S Surface Mount Technology - SMT Soldering process: Reflow soldering T Through Hole Technology - THT Soldering process: Wave									
Number of Ports 1 1 Port 21; 41; ... multi ports about each other, Multilevel									
Direction H Horizontal (90°, side entry) U Horizontal, Upright 90° V Vertical (180°, top entry)									
Solder Pin length 3.2 3.2 mm 1.6 1.6 mm D SMD									
N no use									
Contact surface thickness 4 1 = 3µ", 2 = 6µ", 3 = 15µ", 4 = 30µ", 5 = 50µ"									
Packaging TY Tray in box (manual assembly) RL Tape on Reel (automated assembly) TU Tube									
Special Option / Colour BL blue (plastic) BK black (plastic) WH white (plastic) SO customized product									

USB jacks for SMT soldering process

Type 2.0 A, 90° (horizontal)



- Rated current up to 1.5 A
- ≥ 1500 plugging cycles
- Downward compatible

For additional articles and information, refer to catalog.weidmueller.com

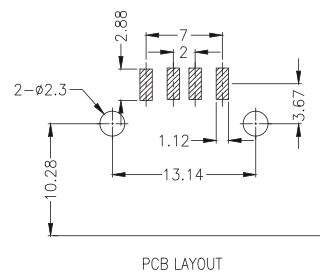
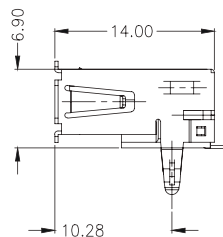
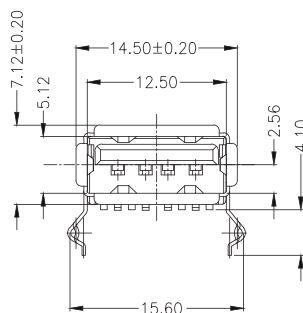


Technical data

Outgoing elbow	90°
Pitch	2.00 mm
Type of insulation material	LCP
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated

Contact base material	Phosphorus bronze
Layer structure of plug contact	30...80 µm Ni / ≥ 30 µm Au
Operating temperature	-40...85 °C
Rated voltage	30 V
Rated current	1.5 A
Dielectric strength, contact / contact	750 V AC
Insulation strength	≥ 500 MΩ

Note



Ordering data

Type	Mounting onto the PCB	Plugging cycles	Performance-Category	Packaging	Qty.	Order No.
USB2.0A S1H 1.4N4 TY BK	THT/THR solder connection	≥ 1500	480 Mbps	Tray (manual assembly)	100	2563720000

**USB jacks
for THR soldering process**

Type 3.0/2.0 A, 180° (vertical)



- Rated current up to 1.5 A
- ≥ 1500 plugging cycles
- Downward compatible

For additional articles and information, refer to catalog.weidmueller.com

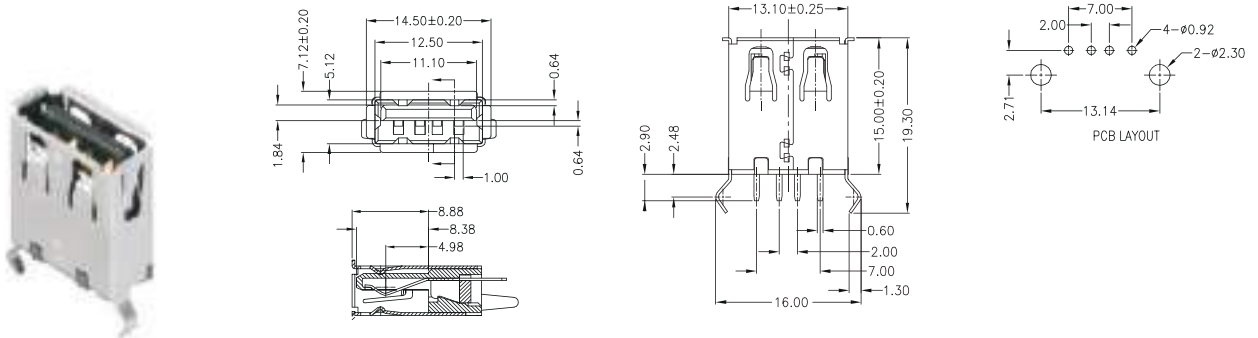


Technical data

Outgoing elbow	180°
Pitch	2.00 mm
Type of insulation material	LCP
Colour	black
UL 94 flammability rating	V-0
Moisture Level (MSL)	1
Shielding material	Brass
Shield surface	nickel-plated

Contact base material	Phosphorus bronze
Layer structure of plug contact	30...80 µm Ni / ≥ 30 µm Au
Operating temperature	-40...85 °C
Rated voltage	30 V
Rated current	1.5 A at 250 V AC
Dielectric strength, contact / contact	500 V AC
Insulation strength	≥ 500 MΩ

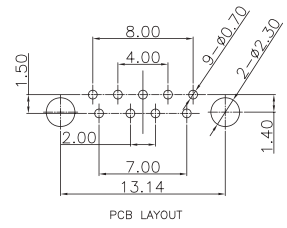
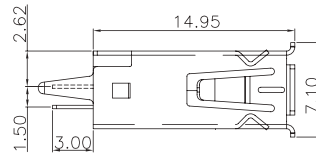
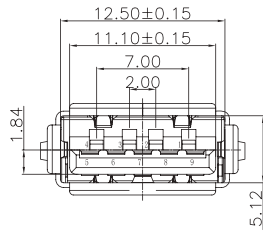
Note



Ordering data

Type	Mounting onto the PCB	Plugging cycles	Performance-Category	Packaging	Qty.	Order No.
USB2.0A R1V 2.5N4 TY BK	THT/THR solder connection	≥ 1500	480 Mbps	Tray (manual assembly)	100	2563730000





Ordering data

Type	Mounting onto the PCB	Plugging cycles	Performance-Category	Packaging	Qty.	Order No.
USB3.0A R1V 3.0N2 TY BL	THT/THR solder connection	≥ 1500	5 Gbps	Tray (manual assembly)	100	1549730000

USB jacks
for wave soldering process

Type 3.0/2.0 A, 180° (vertical)



- Rated current up to 1.5 A
- ≥ 1500 plugging cycles
- Downward compatible

For additional articles and information, refer to catalog.weidmueller.com

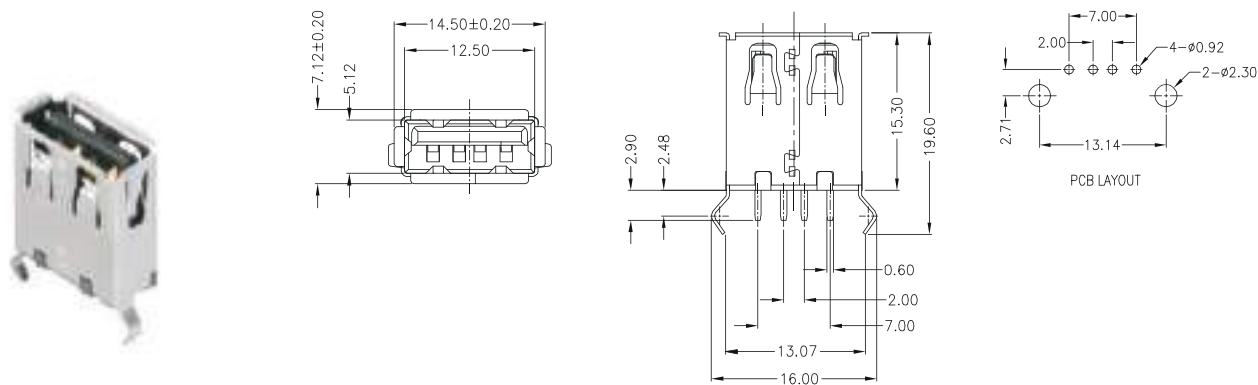


Technical data

Outgoing elbow	180°
Pitch	2.00 mm
Type of insulation material	PBT
Colour	black
UL 94 flammability rating	V-0
Shielding material	Brass
Shield surface	nickel-plated

Contact base material	Phosphorus bronze
Layer structure of plug contact	30...80 μm Ni / ≥ 30 μm Au
Operating temperature	-40...60 °C
Rated voltage	30 V
Rated current	1.5 A
Dielectric strength, contact / contact	500 V AC
Insulation strength	≥ 500 MΩ

Note



Ordering data

Type	Mounting onto the PCB	Plugging cycles	Performance-Category	Packaging	Qty.	Order No.
USB2.0A T1V 2.5N4 TY BK	THT solder connection	≥ 1500	480 Mbps	Tray (manual assembly)	100	1985910000



USB jacks for wave soldering process

Type 3.0/2.0 A, 180° (horizontal)



- Rated current up to 1.5 A
- ≥ 1500 plugging cycles
- Downward compatible

For additional articles and information, refer to catalog.weidmueller.com

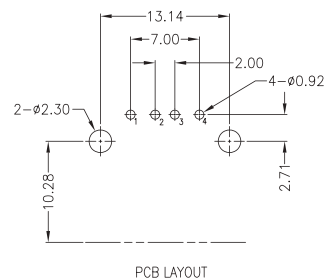
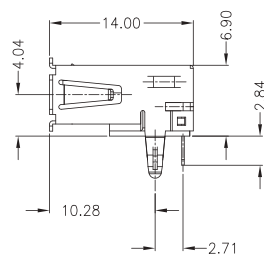
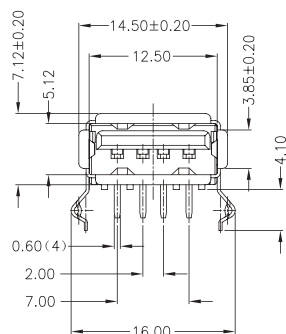


Technical data

Outgoing elbow	90°
Pitch	2.00 mm
Type of insulation material	PBT
Colour	black
UL 94 flammability rating	V-0
Shielding material	Brass
Shield surface	nickel-plated

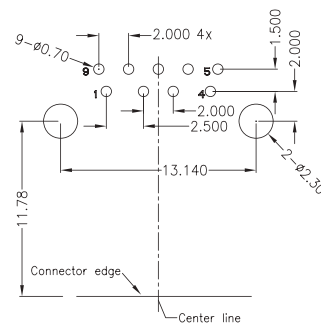
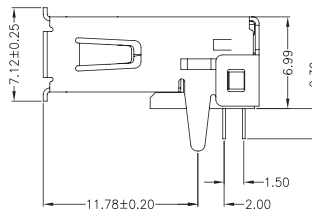
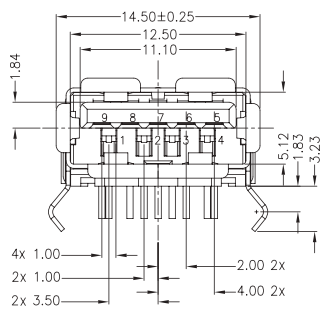
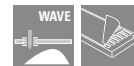
Contact base material	Phosphorus bronze
Layer structure of plug contact	30...80 μm Ni / ≥ 30 μm Au
Operating temperature	-40...85 °C
Rated voltage	30 V
Rated current	1.5 A at 250 V AC
Dielectric strength, contact / contact	500 V AC
Insulation strength	≥ 500 MΩ

Note



Ordering data

Type	Mounting onto the PCB	Plugging cycles	Performance-Category	Packaging	Qty.	Order No.
USB2.0A T1H 2.5N4 TY BK	THT solder connection	≥ 1500	480 Mbps	Tray (manual assembly)	100	2563710000



Ordering data

Type	Mounting onto the PCB	Plugging cycles	Performance-Category	Packaging	Qty.	Order No.
USB3.0A T1H 2.3N4 TY BL	THT solder connection	≥ 1500	5 Gbps	Tray (manual assembly)	104	2563550000



OMNIMATE® Data – D-SUB

OMNIMATE® Data – D-SUB	Explanation	F.2
	Quick selection	F.4
	D-SUB connector	F.6
	D-SUB connector High Density	F.14

OMNIMATE® Data D-SUB PCB connectors

Reliable data interfaces for your device

Already today connectors for data transmission play an important role of future-oriented device design. The D-SUB connectors ensure a secure and efficient interface on your device for the reliable transmission of data and signals in the industrial environments.

Take advantage of the easy integration into any installation situation and the reliable connections to industrial devices. Due to the high number of different types and the proven locking systems in combination with anti-rotation and contact protection, our D-SUB connectors meet the requirements for high durability.

F

Your special advantages:

- Established locking systems in combination with polarization and protection of the contacts
- Design in accordance with IEC 60807-3 (IEC 807-3) and DIN 41652
- Extended temperature range of -55 °C to +85 °C for maximum performance

Electromagnetic compatibility
(EMC) and protection thanks to 360° shielding

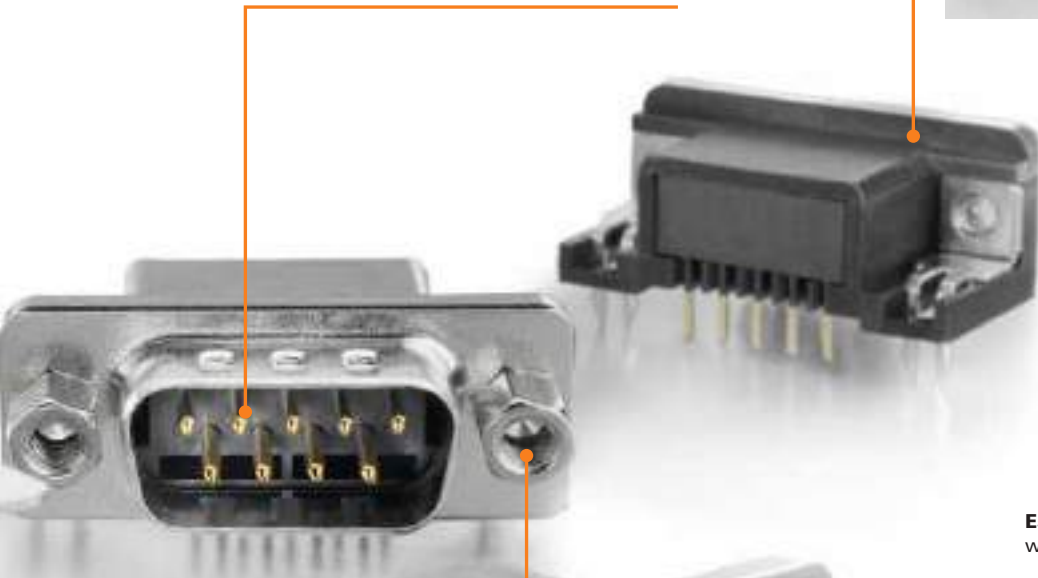
Simple installation
Due to the straight and angled designs, the sockets integrate into any installation situation.



Reliable ground connection and locking system
with optional snap-in clip



Economic flash-gold surface
for ≥ 500 mating cycles



Established locking
with threaded bolt or nut UNC 4-40



Broad range of applications

In compliance with the dimensions according to IEC 60807-3 (IEC 807-3) und DIN 41652, a wide variety of applications, such as measuring devices, interfaces and electronic devices, are covered.

<http://www.OMNIMATE.net>

- Design in accordance with IEC 60807-3 (IEC 807-3) and DIN 41652
- Wide range of different design types, also with snap-on clip
- Stamped contacts (Rated current: 3 A)
- Extended temperature range of -55 °C to +85 °C for maximum performance
- Solder pin length: 3,2 mm
- Packaging: Tray

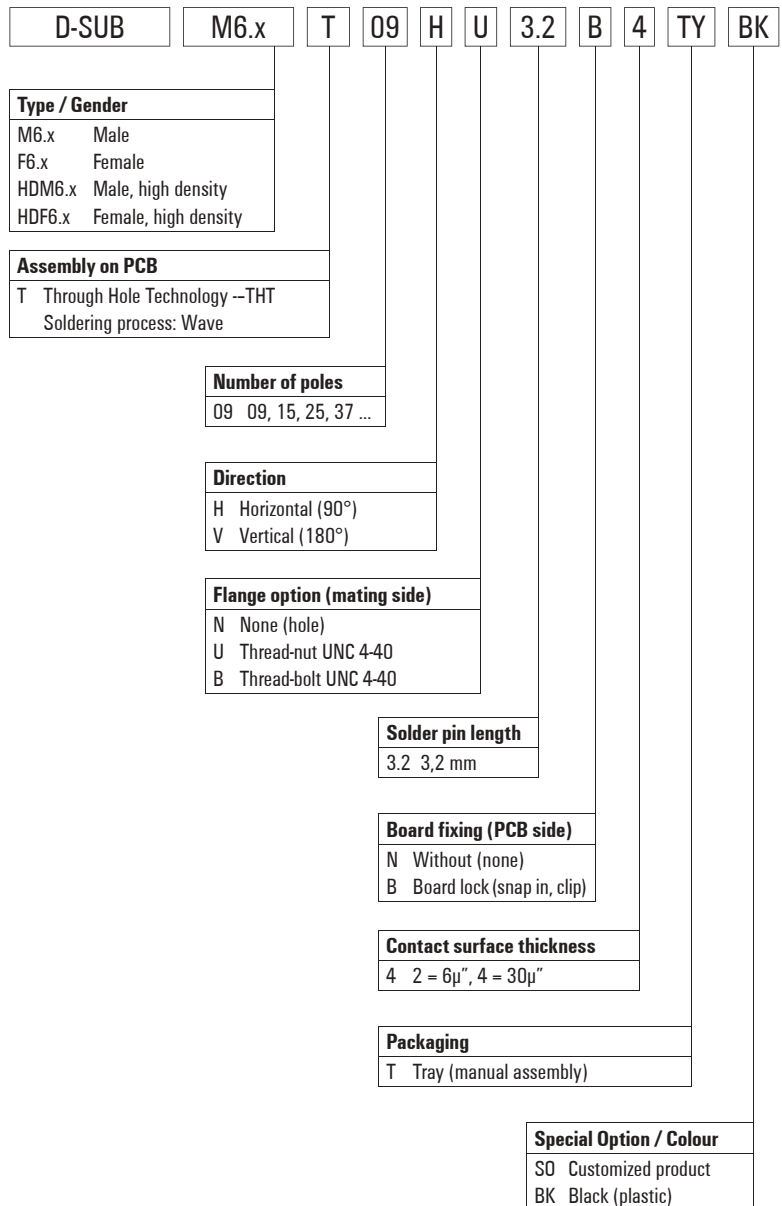


Wave soldering process (THT)

Mounting onto the PCB

Reference picture	Type / Gender	Polanzahl	Outgoing elbow	Flange
	Female	9	Vertical 180°, standing	UNC 4-40 thread bolt
	Female	15	Vertical 180°, standing	UNC 4-40 thread bolt
	Female	25	Vertical 180°, standing	UNC 4-40 thread bolt
	Male	9	Vertical 180°, standing	UNC 4-40 thread bolt
	Male	15	Vertical 180°, standing	UNC 4-40 thread bolt
	Male	25	Vertical 180°, standing	UNC 4-40 thread bolt
	Female	9	Vertical 180°, standing	UNC 4-40 thread nut
	Female	15	Vertical 180°, standing	UNC 4-40 thread nut
	Female	25	Vertical 180°, standing	UNC 4-40 thread nut
	Male	9	Vertical 180°, standing	UNC 4-40 thread nut
	Male	15	Vertical 180°, standing	UNC 4-40 thread nut
	Male	25	Vertical 180°, standing	UNC 4-40 thread nut
	Female	9	Vertical 180°, standing	Hole
	Male	9	Vertical 180°, standing	Hole
	Female	9	Horizontal 90°, lying	UNC 4-40 thread bolt
	Female	15	Horizontal 90°, lying	UNC 4-40 thread bolt
	Female	25	Horizontal 90°, lying	UNC 4-40 thread bolt
	Male	9	Horizontal 90°, lying	UNC 4-40 thread bolt
	Male	15	Horizontal 90°, lying	UNC 4-40 thread bolt
	Male	25	Horizontal 90°, lying	UNC 4-40 thread bolt
	Female	9	Horizontal 90°, lying	UNC 4-40 thread nut
	Female	15	Horizontal 90°, lying	UNC 4-40 thread nut
	Female	25	Horizontal 90°, lying	UNC 4-40 thread nut
	Male	9	Horizontal 90°, lying	UNC 4-40 thread nut
	Male	15	Horizontal 90°, lying	UNC 4-40 thread nut
	Male	25	Horizontal 90°, lying	UNC 4-40 thread nut
	Female, high density	15	Horizontal 90°, lying	UNC 4-40 thread nut
	Male, high density	15	Horizontal 90°, lying	UNC 4-40 thread nut

Contact surface thickness	Order No.	Type
30 µ"	2707200000	D-SUB F6.3 T09VB 3.2B4 TY BK
30 µ"	2707210000	D-SUB F6.3 T15VB 3.2B4 TY BK
30 µ"	2707220000	D-SUB F6.3 T25VB 3.2B4 TY BK
30 µ"	2707230000	D-SUB M6.3 T09VB 3.2B4 TY BK
30 µ"	2707240000	D-SUB M6.3 T15VB 3.2B4 TY BK
30 µ"	2707250000	D-SUB M6.3 T25VB 3.2B4 TY BK
30 µ"	2707150000	D-SUB F6.3 T09VU 3.2B4 TY BK
30 µ"	2707160000	D-SUB F6.3 T15VU 3.2B4 TY BK
30 µ"	2707170000	D-SUB F6.3 T25VU 3.2B4 TY BK
30 µ"	2707170000	D-SUB M6.3 T09VU 3.2B4 TY BK
30 µ"	2707180000	D-SUB M6.3 T15VU 3.2B4 TY BK
30 µ"	2707190000	D-SUB M6.3 T25VU 3.2B4 TY BK
6 µ"	2626650000	D-SUB F6.1 T09VN 3.2N2 TY GY
6 µ"	2626620000	D-SUB M6.1 T09VN 3.2N2 TY GY
30 µ"	2706970000	D-SUB F6.3 T09HB 3.2B4 TY BK
30 µ"	2706980000	D-SUB F6.3 T15HB 3.2B4 TY BK
30 µ"	2701700000	D-SUB F6.3 T25HB 3.2B4 TY BK
30 µ"	2701720000	D-SUB M6.3 T09HB 3.2B4 TY BK
30 µ"	2701750000	D-SUB M6.3 T15HB 3.2B4 TY BK
30 µ"	2701760000	D-SUB M6.3 T25HB 3.2B4 TY BK
30 µ"	2701710000	D-SUB F6.3 T09HU 3.2B4 TY BK
30 µ"	2701730000	D-SUB F6.3 T15HU 3.2B4 TY BK
30 µ"	2724020000	D-SUB F6.3 T25HU 3.2B4 TY BK
30 µ"	2724030000	D-SUB M6.3 T09HU 3.2B4 TY BK
30 µ"	2724060000	D-SUB M6.3 T15HU 3.2B4 TY BK
30 µ"	2724070000	D-SUB M6.3 T25HU 3.2B4 TY BK
30 µ"	2706950000	D-SUB HDF6.3 T15HU 3.2B4 TY BK
30 µ"	2701690000	D-SUB HDM6.3 T15HU 3.2B4 TY BK



D-SUB connector

D-SUB acc. to IEC 60807-3 (IEC 807-3) and DIN 41652

For additional articles and information, refer to catalog.weidmueller.com

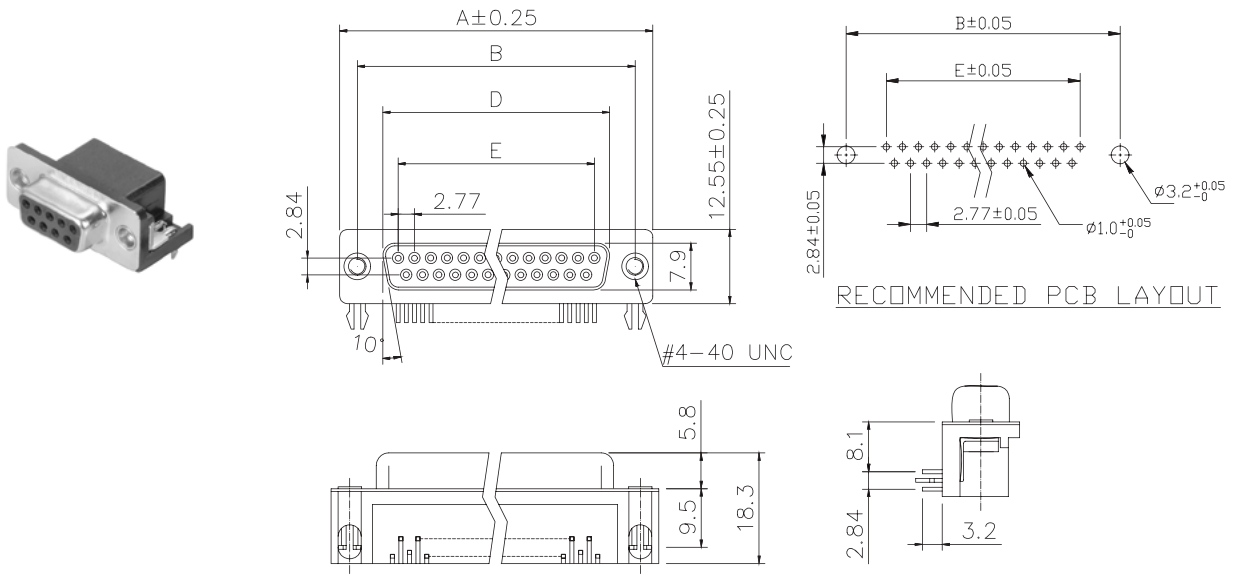
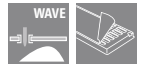


Technical data

Outgoing elbow	90°
Pitch	2.77 mm
Type of fixing	Board-lock
Mounting onto the PCB	THT solder connection
Side termination, characteristic	Thread-nut UNC 4-40
Type of insulation material	PBT GF
UL 94 flammability rating	V-0
Shielding material	Steel
Shield surface	tinned
Note	Further variants on request. Contacts are punched.

Contact base material	Copper alloy
Layer structure of plug contact	≥ 50 μm Ni / 30 μm Au
Operating temperature	-55...105 °C
Rated voltage	250 V
Rated current	3 A
Dielectric strength, contact / contact	1000 V AC
Insulation strength	≥ 1000 MΩ
Plugging cycles	500
Approvals	UR

F

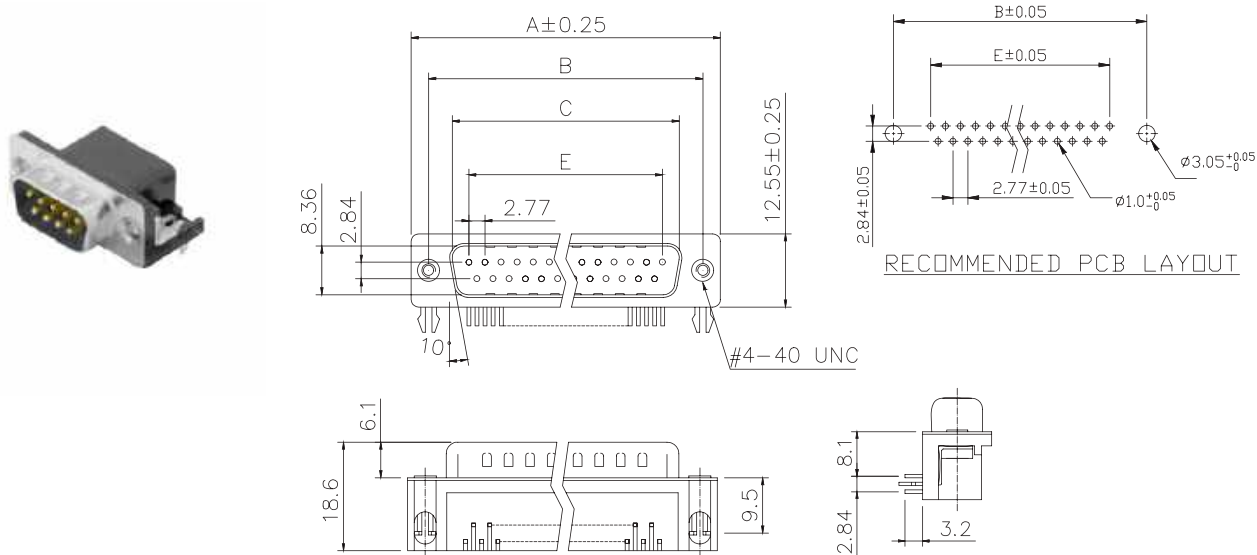
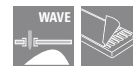


No. of poles	A	B	C	E
9	30.81	24.99	16.92	11.08
15	39.20	33.30	25.25	19.39
25	53.05	47.04	38.96	33.24

Ordering data

Type	Construction type	Pol.	Packaging	Qty.	Order No.
D-SUB F6.3 T09HU 3.2B4 TY BK	female header	9	Tray	90	2701710000
D-SUB F6.3 T15HU 3.2B4 TY BK	female header	15	Tray	70	2701730000
D-SUB F6.3 T25HU 3.2B4 TY BK	female header	25	Tray	70	2724020000





No. of poles	A	B	C	E
9	30.81	24.99	16.92	11.08
15	39.20	33.30	25.25	19.39
25	53.05	47.04	38.96	33.24

Ordering data

Type	Construction type	Pol.	Packaging	Qty.	Order No.
D-SUB M6.3 T09HU 3.2B4 TY BK	male header	9	Tray	90	2724030000
D-SUB M6.3 T15HU 3.2B4 TY BK	male header	15	Tray	90	2724060000
D-SUB M6.3 T25HU 3.2B4 TY BK	male header	25	Tray	90	2724070000



D-SUB connector

D-SUB acc. to IEC 60807-3 (IEC 807-3) and DIN 41652

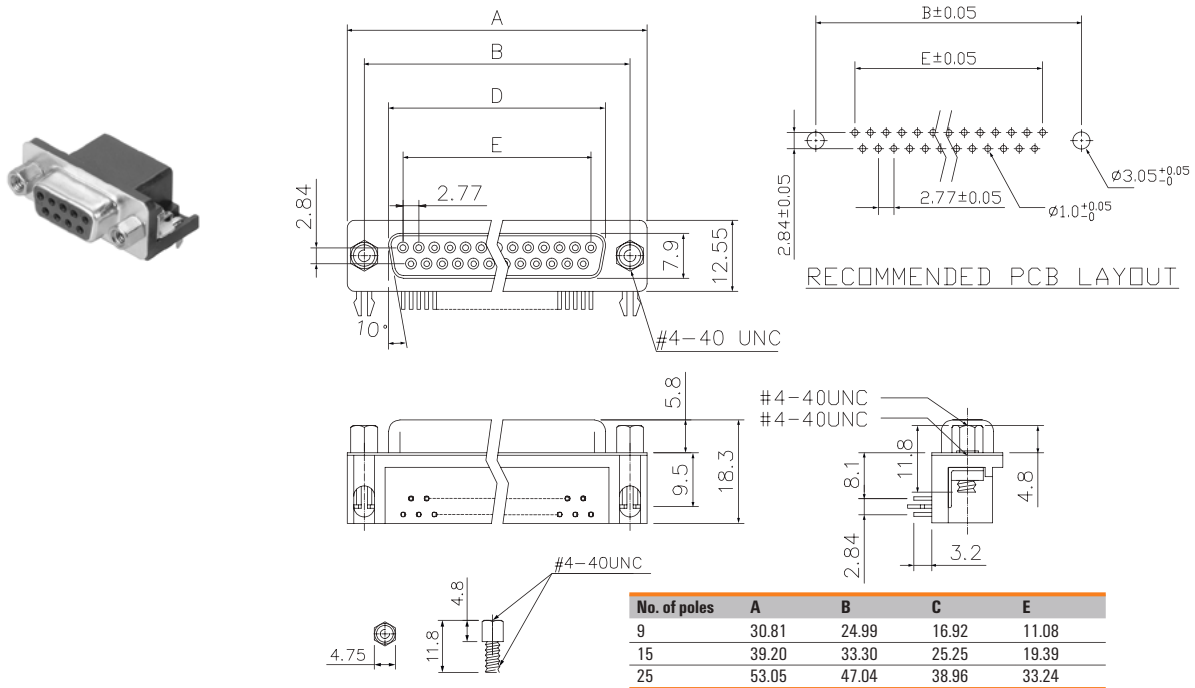
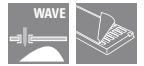
For additional articles and information, refer to catalog.weidmuller.com



Technical data

Outgoing elbow	90°
Pitch	2.77 mm
Type of fixing	Board-lock
Mounting onto the PCB	THT solder connection
Side termination, characteristic	Thread-bolt UNC 4-40
Type of insulation material	PBT GF
UL 94 flammability rating	V-0
Shielding material	Steel
Shield surface	tinned
Note	Further variants on request. Contacts are punched.

Contact base material	Copper alloy
Layer structure of plug contact	≥ 50 μ" Ni / 30 μ" Au
Operating temperature	-55...105 °C
Rated voltage	250 V
Rated current	3 A
Dielectric strength, contact / contact	1000 V AC
Insulation strength	≥ 1000 MΩ
Plugging cycles	500
Approvals	UR

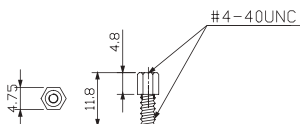
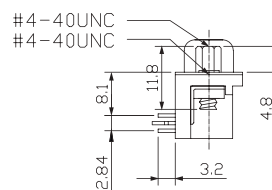
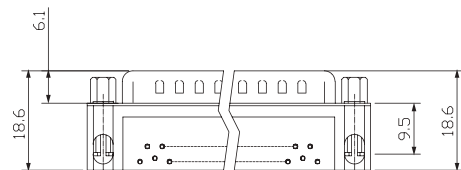
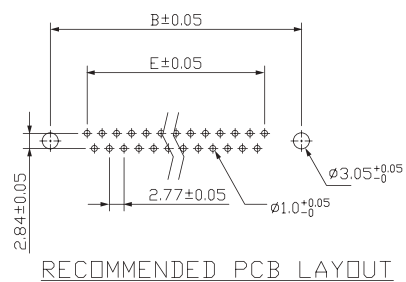
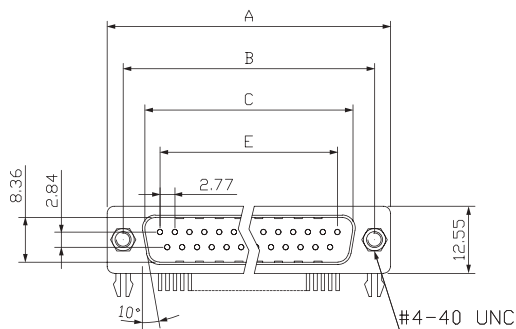


No. of poles	A	B	C	E
9	30.81	24.99	16.92	11.08
15	39.20	33.30	25.25	19.39
25	53.05	47.04	38.96	33.24

Ordering data

Type	Construction type	Pol.	Packaging	Qty.	Order No.
D-SUB F6.3 T09HB 3.2B4 TY BK	female header	9	Tray	90	2706970000
D-SUB F6.3 T15HB 3.2B4 TY BK	female header	15	Tray	70	2706980000
D-SUB F6.3 T25HB 3.2B4 TY BK	female header	25	Tray	90	2701700000





No. of poles	A	B	C	E
9	30.81	24.99	16.92	11.08
15	39.20	33.30	25.25	19.39
25	53.05	47.04	38.96	33.24

Ordering data

Type	Construction type	Pol.	Packaging	Qty.	Order No.
D-SUB M6.3 T09HB 3.2B4 TY BK	male header	9	Tray	90	2701720000
D-SUB M6.3 T15HB 3.2B4 TY BK	male header	15	Tray	70	2701750000
D-SUB M6.3 T25HB 3.2B4 TY BK	male header	25	Tray	50	2701760000



D-SUB connector

D-SUB acc. to IEC 60807-3 (IEC 807-3) and DIN 41652

For additional articles and information, refer to catalog.weidmuller.com

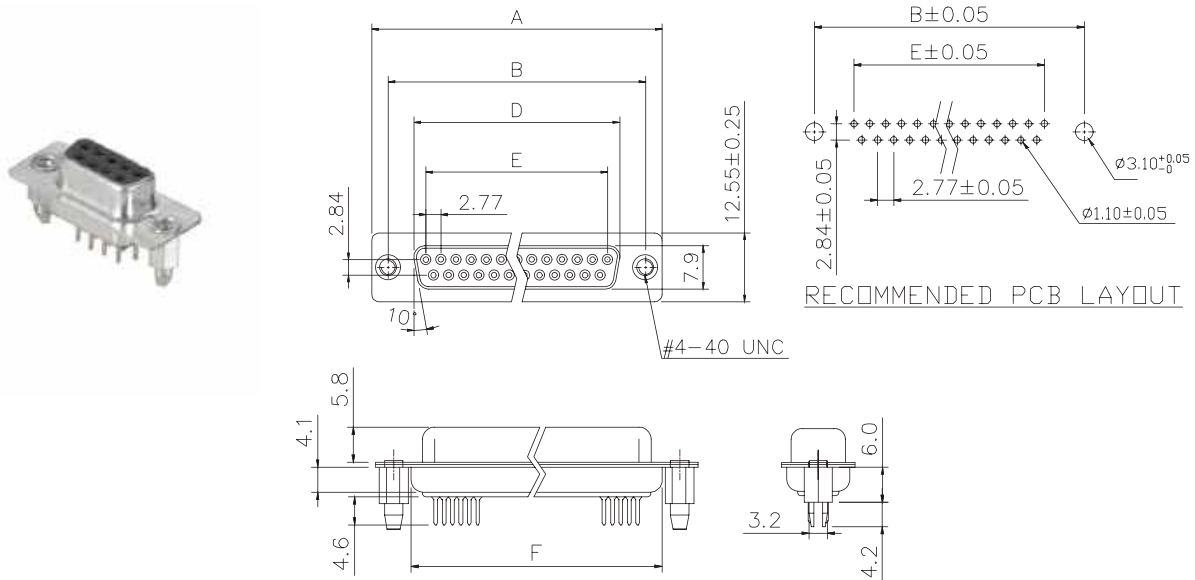


Technical data

Outgoing elbow	180°
Pitch	2.77 mm
Type of fixing	Board-lock
Mounting onto the PCB	THT solder connection
Side termination, characteristic	Thread-nut UNC 4-40
Type of insulation material	PBT GF
UL 94 flammability rating	V-0
Shielding material	Steel
Shield surface	tinned
Note	Further variants on request. Contacts are punched.

Contact base material	Copper alloy
Layer structure of plug contact	≥ 50 μ" Ni / 30 μ" Au
Operating temperature	-55...105 °C
Rated voltage	250 V
Rated current	3 A
Dielectric strength, contact / contact	1000 V AC
Insulation strength	≥ 1000 MΩ
Plugging cycles	500
Approvals	UR

F

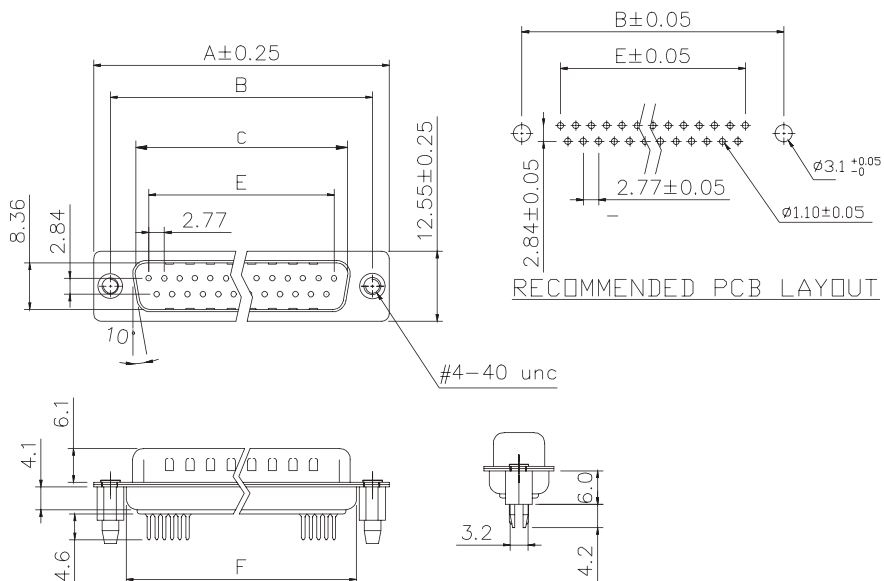
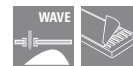


No. of poles	A	B	C	E	E
9	30.81	24.99	16.92	11.08	11.08
15	39.20	33.30	25.25	19.39	19.39
25	53.05	47.04	38.96	33.24	33.24

Ordering data

Type	Construction type	Pol.	Packaging	Qty.	Order No.
D-SUB F6.3 T09VU 3.2B4 TY BK	female header	9	Tray	90	2707150000
D-SUB F6.3 T15VU 3.2B4 TY BK	female header	15	Tray	70	2707160000
D-SUB F6.3 T25VU 3.2B4 TY BK	female header	25	Tray	50	2701740000





No. of poles	A	B	C	E	F
9	30.81	24.99	16.92	11.08	19.20
15	39.20	33.30	25.25	19.39	27.70
25	53.05	47.04	38.96	33.24	41.10

Ordering data

Type	Construction type	Pol.	Packaging	Qty.	Order No.
D-SUB M6.3 T09VU 3.2B4 TY BK	male header	9	Tray	90	2707170000
D-SUB M6.3 T15VU 3.2B4 TY BK	male header	15	Tray	70	2707180000
D-SUB M6.3 T25VU 3.2B4 TY BK	male header	25	Tray	50	2707190000



D-SUB connector

D-SUB acc. to IEC 60807-3 (IEC 807-3) and DIN 41652

For additional articles and information, refer to catalog.weidmueller.com

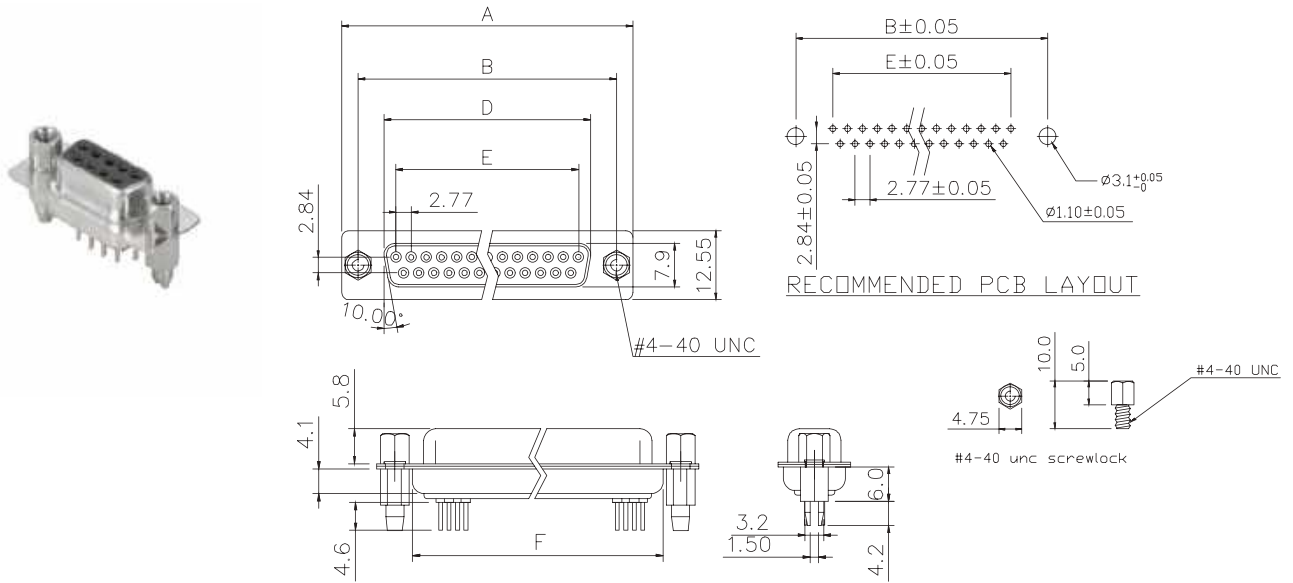
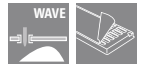


Technical data

Outgoing elbow	180°
Pitch	2.77 mm
Type of fixing	Board-lock
Mounting onto the PCB	THT solder connection
Side termination, characteristic	Thread-bolt UNC 4-40
Type of insulation material	PBT GF
UL 94 flammability rating	V-0
Shielding material	Steel
Shield surface	tinned
Note	Further variants on request. Contacts are punched.

Contact base material	Copper alloy
Layer structure of plug contact	≥ 50 μm Ni / 30 μm Au
Operating temperature	-55...105 °C
Rated voltage	250 V
Rated current	3 A
Dielectric strength, contact / contact	1000 V AC
Insulation strength	≥ 1000 MΩ
Plugging cycles	500
Approvals	UR

F

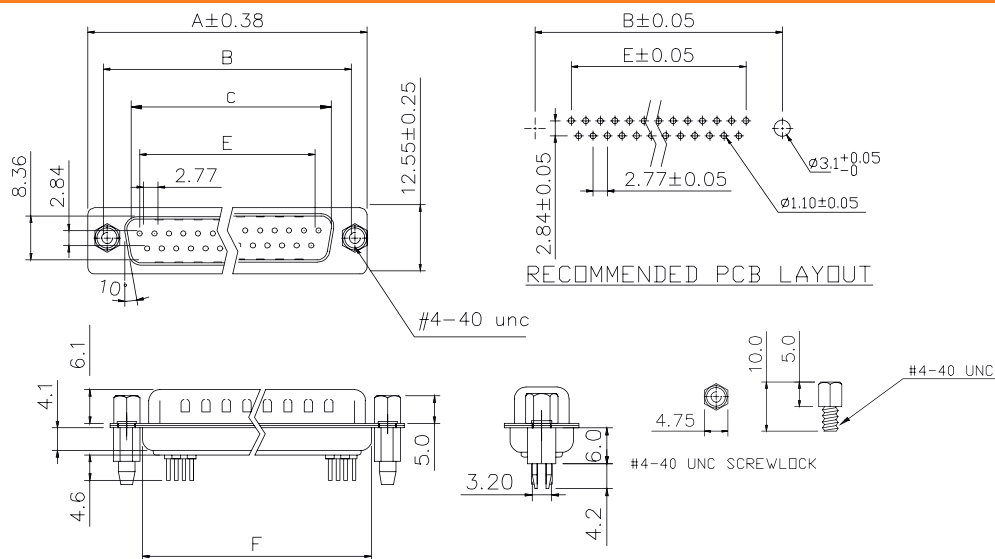


No. of poles	A	B	C	E	F
9	30.81	24.99	16.92	11.08	19.20
15	39.20	33.30	25.25	19.39	27.70
25	53.05	47.04	38.96	33.24	41.10

Ordering data

Type	Construction type	Pol.	Packaging	Qty.	Order No.
D-SUB F6.3 T09VB 3.2B4 TY BK	female header	9	Tray	90	2707200000
D-SUB F6.3 T15VB 3.2B4 TY BK	female header	15	Tray	70	2707210000
D-SUB F6.3 T25VB 3.2B4 TY BK	female header	25	Tray	50	2707220000





No. of poles	A	B	C	E	E
9	30.81	24.99	16.92	11.08	19.20
15	39.20	33.30	25.25	19.39	27.70
25	53.05	47.04	38.96	33.24	41.10

Ordering data

Type	Construction type	Pol.	Packaging	Qty.	Order No.
D-SUB M6.3 T09VB 3.2B4 TY BK	male header	9	Tray	90	2707230000
D-SUB M6.3 T15VB 3.2B4 TY BK	male header	15	Tray	70	2707240000
D-SUB M6.3 T25VB 3.2B4 TY BK	male header	25	Tray	50	2707250000



D-SUB connector
High Density

D-SUB acc. to IEC 60807-3 (IEC 807-3) and DIN 41652

For additional articles and information, refer to catalog.weidmueller.com

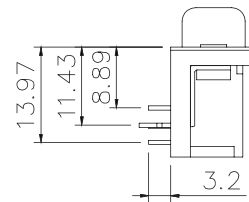
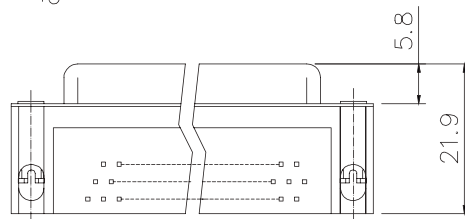
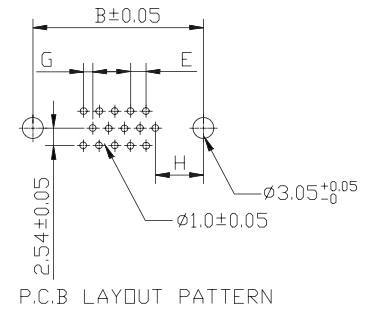
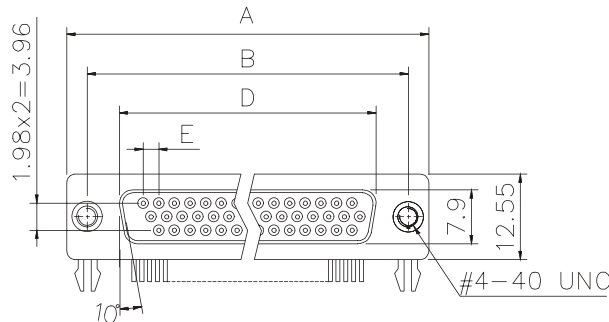
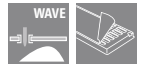


Technical data

Outgoing elbow	90°
Pitch	2.29 mm
Type of fixing	Board-lock
Mounting onto the PCB	THT solder connection
Side termination, characteristic	Thread-nut UNC 4-40
Type of insulation material	PBT GF
UL 94 flammability rating	V-0
Shielding material	Steel
Shield surface	tinned
Note	Further variants on request. Contacts are punched.

Contact base material	Copper alloy
Layer structure of plug contact	≥ 50 μm Ni / ≥ 30 μm Au
Operating temperature	-55...105 °C
Rated voltage	250 V
Rated current	3 A
Dielectric strength, contact / contact	1000 V AC
Insulation strength	≥ 1000 MΩ
Plugging cycles	500
Approvals	UR

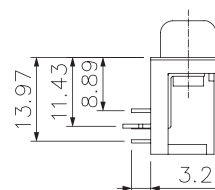
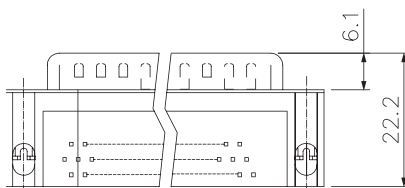
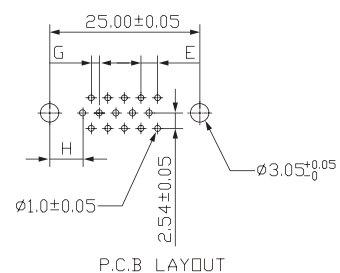
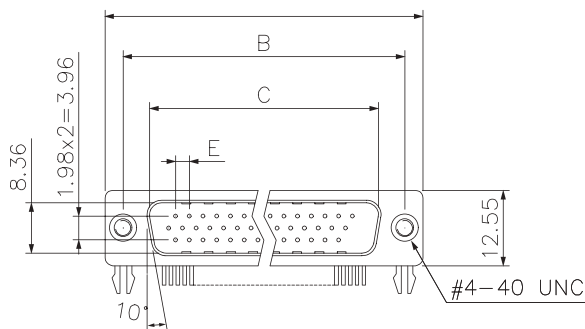
F



No. of poles	A	B	D	E	G	H
15	30.81	24.99	16.35	2.29	1.145	7.04

Ordering data

Type	Construction type	Pol.	Packaging	Qty.	Order No.
D-SUB HDF6.3 T15HU 3.2B4 TY BK	female header	15	Tray	90	2706950000



No. of poles	A	B	D	E	G	H
15	30.81	24.99	16.92	2.29	1.145	7.04

Ordering data

Type	Construction type	Pol.	Packaging	Qty.	Order No.
D-SUB HDM6.3 T15HU 3.2B4 TY BK	male header	15	Tray	90	2701690000

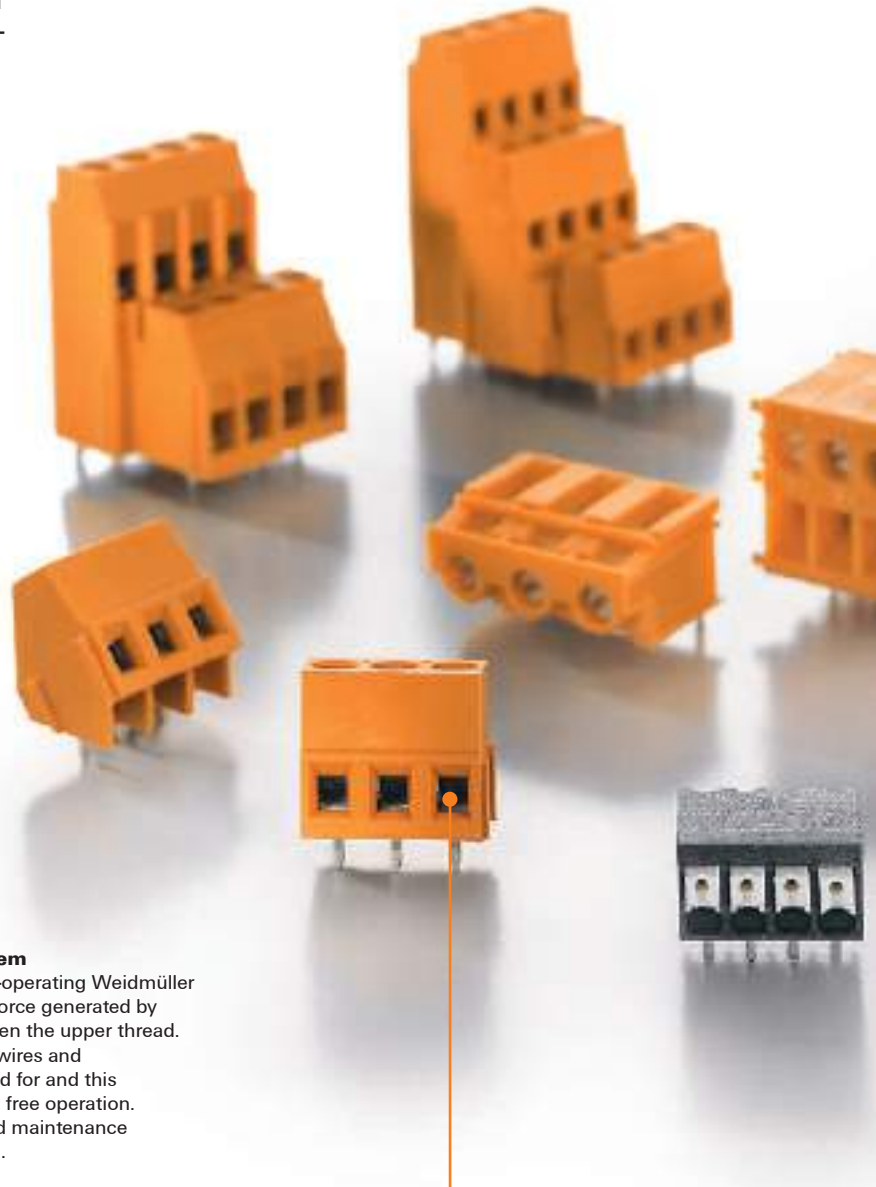
OMNIMATE® Signal PCB terminals

OMNIMATE® Signal PCB terminals	Explanation	G.2
	Quick selection	G.14
	Clamping yoke screw connection	G.18
	Leaf spring screw connection	G.42
	PUSH IN spring connection	G.46
	Tension clamp connection	G.98

OMNIMATE® Signal PCB terminals

Flexible and versatile in pitches of between 3.5 mm and 10.00 mm for the wave soldering process

A wide variety of application requirements from the industrial automation and control fields are solved using the components from the comprehensive OMNIMATE® Signal PCB terminal range. You can find a suitable solution for almost any application, whether in terms of the conductor outlet direction, the pitch, the wire cross-section to be clamped, the required contact density through multi-level varieties or the sort of connection you want.



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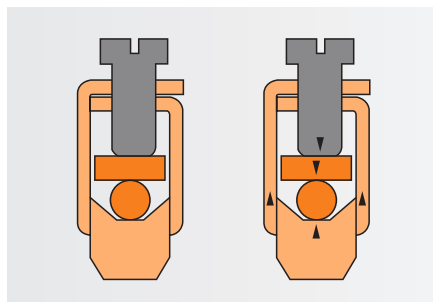
Standard-compliant integration

Following relevant international guidelines/standards and Weidmüller's laboratory accreditation ensure highest quality standards for use globally.



Screw connection system

The automatically counter-operating Weidmüller steel clamping yoke uses force generated by tightening the screw to open the upper thread. Settling of the connected wires and vibrations are compensated for and this guarantees a maintenance free operation. Subsequent tightening and maintenance of the screw is not needed.



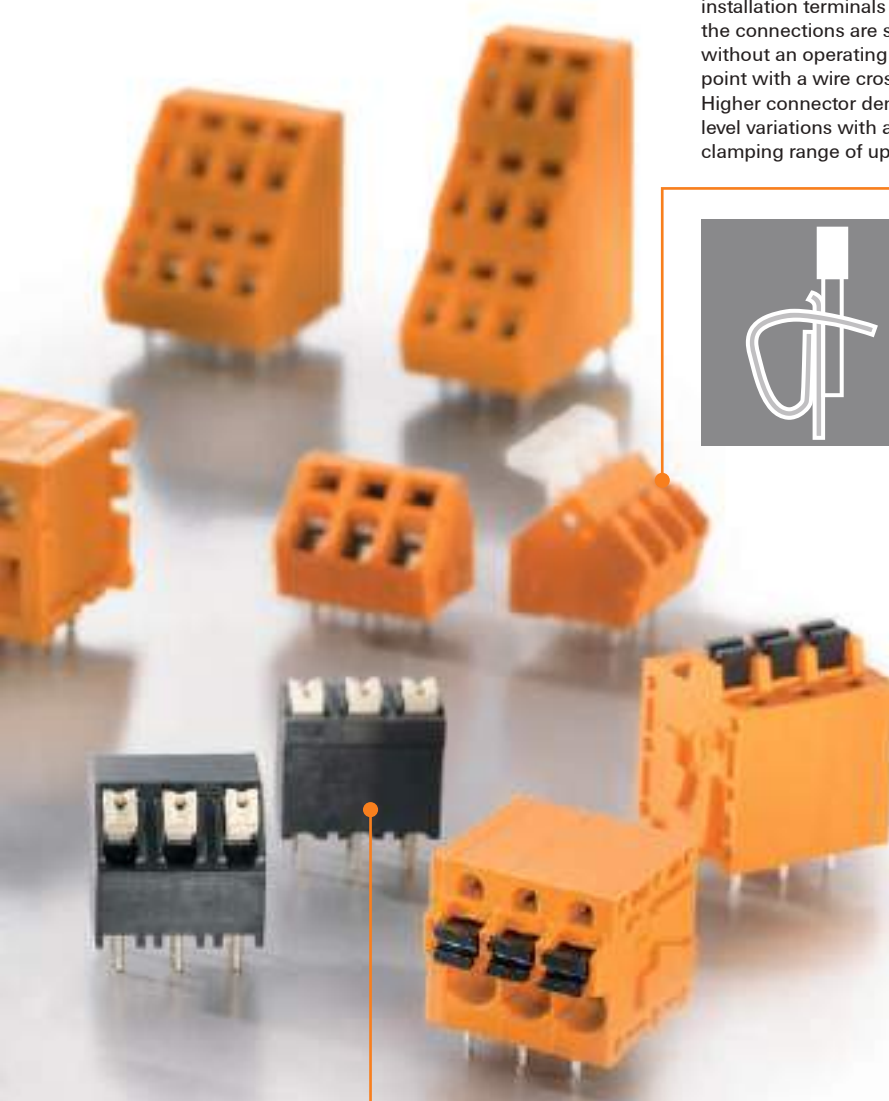
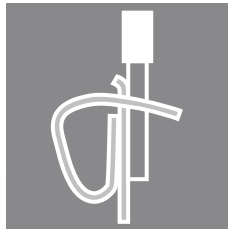
Fire resistance

The high-quality plastics used in many of the product families in the OMNIMATE® Signal product line meet the higher fire safety requirements according to the domestic appliance standard IEC 60335-1.



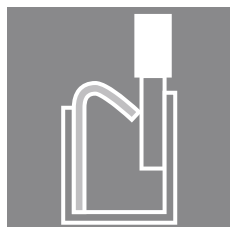
Tension clamp connection system

Simple and fast - the universal screw-less connector with a steel spring. Ideal for PCB installation terminals where it is important that the connections are secure. Single row, with or without an operating lever to open the terminal point with a wire cross-section of up to 2.5 mm². Higher connector density with double, or triple level variations with a pitch of 5.08 mm and clamping range of up to 2.5 mm².



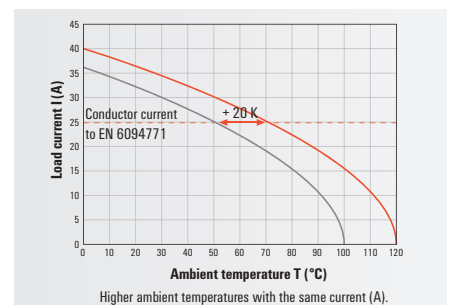
PUSH IN connection system

The innovative quick connector – simple, safe and economical. Direct insertion of solid-core wires and stranded wires with ferrules when used with the LSF-SMT series.



Power reserve for safety

The high performance insulating material WEMID with a continuous operating temperature of 120 °C for higher load currents and ambient temperatures. OMNIMATE® Signal PCB terminals already exceed the standard PA working temperature (100 °C) of many product families by 20 °K. This allows more power reserves and increased safety during temperature fluctuations or overloads.





OMNIMATE® Signal PCB terminals

LSF-SMT spring connection in pitches of between 3.5 mm and 7.62 mm for the reflow soldering process (THR)

The innovative quick connector - simple, safe and economical. Its compact dimensions and surprising performance of 17.5 A / 800 V (IEC) means that the LSF-SMT meets the market push for miniaturisation. The OMNIMATE® Signal PCB terminals LSF-SMT offer a wide pitch range from 3.5 to 7.62 mm, in various conductor outlet directions (90°/135°/180°) to the PCB for connections of wire cross-sections of up to 1.5 mm². The use of high-quality materials guarantees maximum cost effectiveness in the manufacturing of electronic assemblies.

SMT/THR process compatible

The compact design and packaging (tape-on-reel) for automatic pick and place systems of SMT production lines reduces production costs of electronic components even further.



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Form stability for the reflow soldering process

The high-temperature-resistant insulating material LCP used in the LSF-SMT range, is characterised by its form and dimensional stability. Due to low moisture absorption, the LSF-SMT can be immediately used in the Reflow THR soldering process without an extra drying phase. The uninterrupted production process from automated assembly to soldering is achieved saving you time and money.



Flexible processing

With a pin length of 3.5 mm for hand and wave soldering, or 1.5 mm for reflow soldering (THR), there are standard models available even for double sided assembled PCBs.



Fire resistance

The high-quality plastics used meet the higher fire safety requirements according to the domestic appliance standard IEC 60335-1.



Design flexibility

With the conductor outlet directions of 90°/135° and 180° over all pitches from 3.5 to 7.62 mm, all design options are possible.



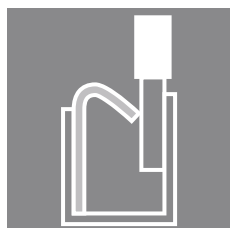
Marking and mapping

Terminal points can be distinctively marked with coloured push buttons or individual printing.



Safe and efficient

Solid conductors or wires with ferrules up to 1.5 mm² can be connected with the rapid spring-connection technology PUSH IN. The integrated push buttons are used for releasing. Amazingly simple and simply amazing in practice.



OMNIMATE® Signal PCB terminals

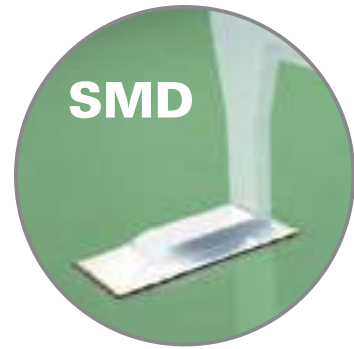
LSF-SMD 3.5/180 spring connection for the reflow soldering process (SMD)



The new LSF-SMD meets the demands for fully automatic PCB assembling as a surface-mounting device (SMD). Two SMD soldering pads per pole provide a high level of mechanical stability in accordance with IPC-A-610 class 2.

It is now possible for applications on glass based, ceramic based and aluminium compound based PCB's to also take advantage of PUSH IN technology. The existing portfolio of Weidmüller's reflow compatible LSF-SMT terminals with THR soldering has been expanded to include a real SMD variant.

The 3.5 mm pitch and the wire outlet direction of 180° allow a high packing density with a maximum wire cross section of 1.5 mm².



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Order a sample

Let yourself be convinced by the LSF-SMD features. Request a free sample using.



Reliable processing

The LCP causes no formation of blisters and no predrying is required (MSL 1). Direct assembly with the SMT process is possible.



Stable soldering connections

With two solder pins per pole, the LSF-SMD PCB terminal is adequately attached to the circuit board and does not need an additional mounting flange.



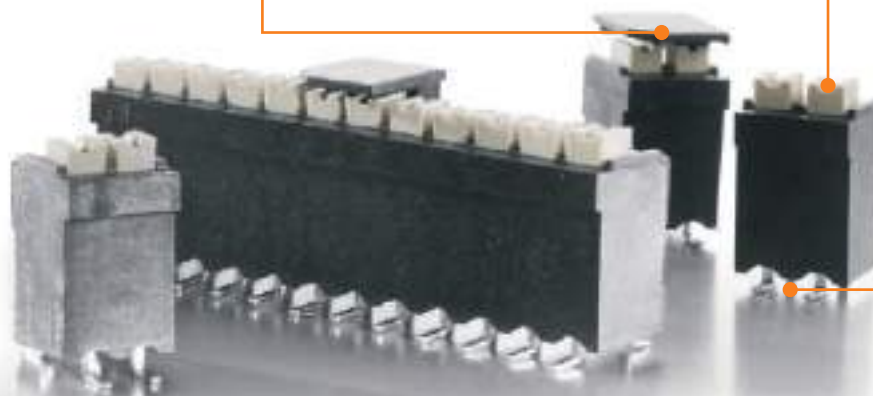
Efficient assembly

An efficient automatic assembly process is supported by the tape on reel packaging in standard tape widths. The optimised Pick and Place pads ensure that the pick and place process is safe and reliable.



Fast wire connection method

Safe contact connections up to 1.5 mm² with no tools needed: made possible by the proven PUSH IN connection system. The integrated release button is used to disconnect the cable in a simple and quick manner.



OMNIMATE® Signal – PUSH IN PCB-terminal LMF

Modern connectivity technology fulfilling the high demands of design up to a conductor cross section of 2.5 mm²

Innovative developments in industrial devices means precision-fit connectivity for power supplies is needed. Your best choice is our new, compact LMF PCB terminals, which are compelling with their modern connectivity technology.

The demands on PCB terminals in industrial device applications with a supply voltage of 250 V requires an extremely reliable wire connection contact and very safe electrical insulation materials.

Our response to this is the LMF with time saving PUSH IN spring connection technology, an integrated test point and a 90° or 180° wire outlet direction for different applications. The Wemid insulation material allows the assembling of PCB terminals and continuous use in temperatures of up to 120 °C.

With these functions, the LMF meets the tough design requirements of industrial device connections.

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Integrated test point

The required maintenance and measurement can be carried out in a safe, reliable and convenient manner.



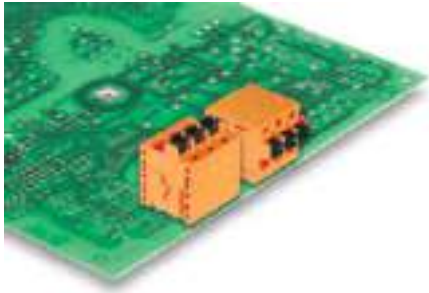
PUSH IN connector up to 2.5 mm²

You can plug solid conductors or wires with ferrules in directly and have a time-saving, reliable connection.



Wire outlet direction of 90° or 180°

High flexibility in your design is given by options of wire outlet directions from above (180°) or the side (90°).



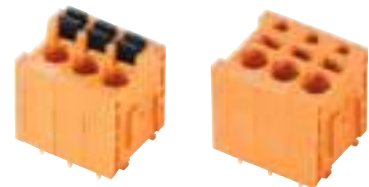
Two solder pins per pole

Benefit from the highly secure, current-carrying capacity and mechanical stability on the PCB board, without additional mounting elements.



Optional “pusher”

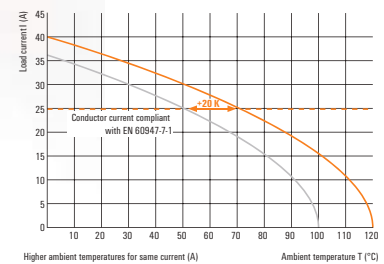
Select your preferred way of activating the PUSH IN spring connection: Depending on your choice, you open the contacts with the integrated “pusher” or by using a screwdriver.



120° C continuous use temperature

In addition to fulfilling strict environmental standards, the Wemid insulation material also meets the requirement of maximum system reliability.

With a continuous use temperature of 120 °C, it exceeds the PA standard (100 °C) by 20 K.



Reliable functionality due to the “pusher”

The optional push button provides a fast and exact wiring. By pressing the push button, the contact will open very quickly and easily.



Add-on programs of PUSH IN PCB terminals are the LSF product lines

This terminal series for conductor cross-sections up to 1.5 mm² meets all the requirements of the automated assembly and reflow processes.

PUSH IN – PCB terminal

LMFV – PUSH IN terminal in pitch 5.00 and 7.50

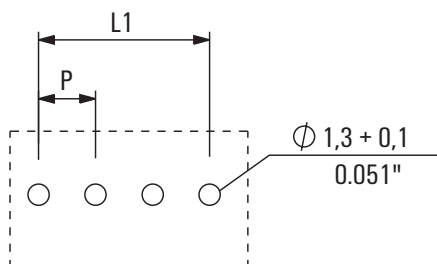
Due to the PUSH IN connection technology, the new OMNIMATE® Signal LMFV PCB terminal blocks enable a particularly fast and safe device connection. Their layout is identical to the proven LM product family with clamping yoke connection. This gives device engineers the choice between the classic clamping yoke connection and the innovative PUSH IN connection. The LMFV PCB terminals have been optimised for wave soldering processes.

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Twin-Design

Layout and design compatibility with OMNIMATE® LM PCB terminal blocks with clamping yoke connection technology – for variable use of both connection technologies.

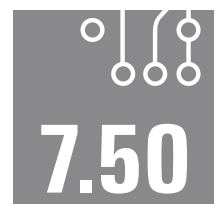
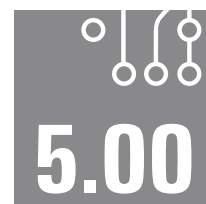


High flexibility

Flexible selection of the connection technology makes it possible to achieve particularly precise solutions.

**Two grid widths**

For standard connections with 5.00 mm pitch and also suitable for higher voltages up to 500 volts with 7.50 mm pitch.



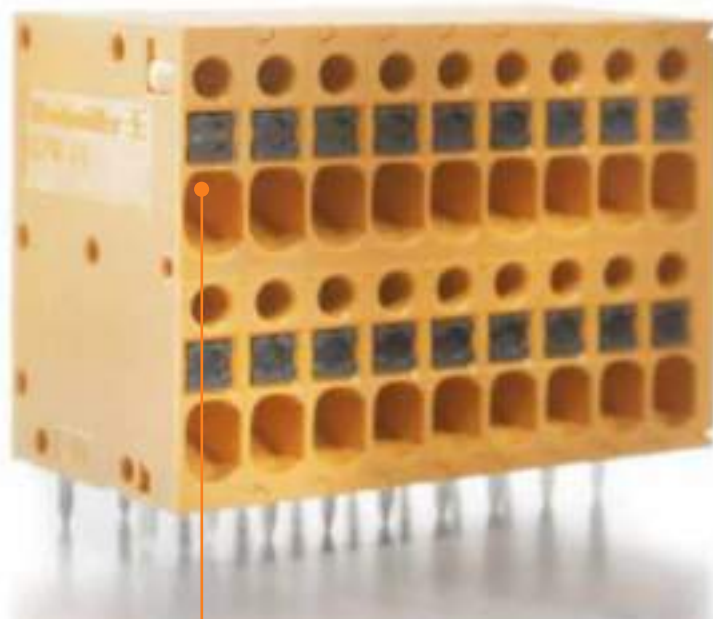
The simple way to connect wires with cross-sections up to 1.5 mm² LS2HF with PUSH IN connection system on two connection levels

Ensuring compact dimensions through miniaturisation, while maintaining excellent functionality: these are the specific challenges faced when designing monitoring and I/O systems and devices in the field of building automation.

The new double-row OMNIMATE® Signal PCB terminal LS2HF meets both of these requirements at once thanks to the space-saving design and especially through the use of the time saving PUSH IN connection system. Optimised for wire cross-sections up to 1.5 mm² in a pitch dimension of 3.5 mm.

The LS2HF includes an integrated pusher for opening the contact in easiest way. An additional test point has also been integrated, making it easy to do necessary service measurements. The wire entry direction of 90° and the compact, double-row design of the LS2HF allows the simple integration into the front panel of a device.

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PUSH IN connection

Solid wires or wires with ferrules can be plugged directly thanks to the PUSH IN connection technology, which saves time and ensures a reliable connection.



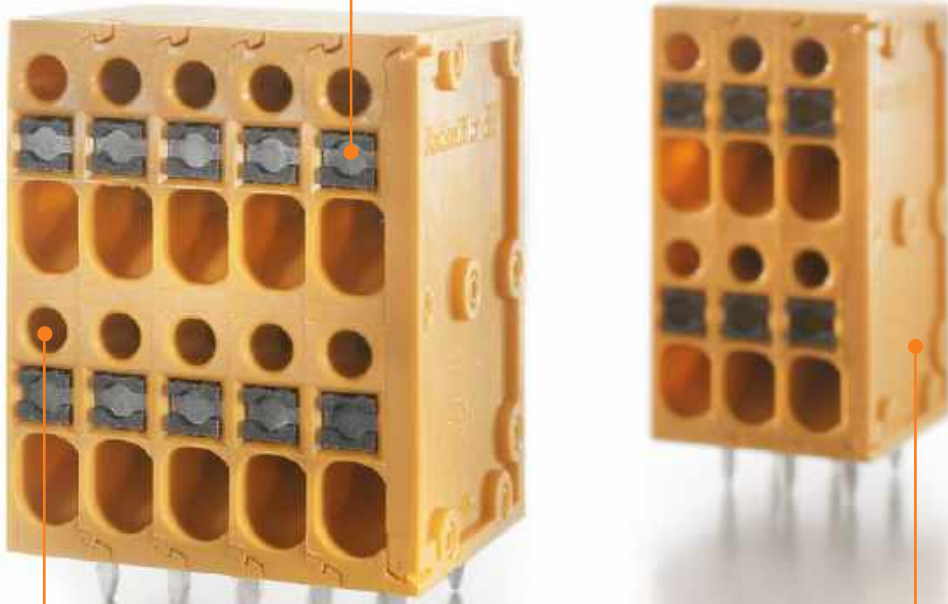
Integrated test point

Necessary maintenance and measurements can be carried out in a safe, reliable and convenient manner.



Reliable functionality

The PUSH IN contact can be opened easily by pressing the push button in a particularly fast and unmistakable way.



High component density

The compact design with PUSH IN connection system over two levels is perfectly suited for wire cross-sections up to 1.5 mm² in a pitch dimension of 3.5 mm.



Your special advantages:

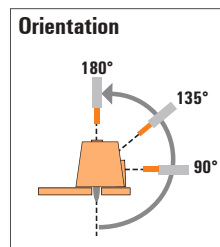
PCB connection within the smallest space

For those looking for a compact and simple connection solution for optional installation in a front panel, the double-level LS2HF will not disappoint.



Quick and safe wiring with excellent performance: the space-saving LS2HF PCB terminal allows a perfect integration into the front panel of a device, e.g. with industrial control units and frequency converters

<http://www.OMNIMATE.net>

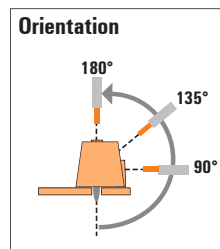


PCB terminals
















Type of connection		Clamping range	Type	IEC / UL	90°	135°	180°
Screw	Clamping yoke	≤ 1.5 mm ²	LM	IEC: 320 V/16 A/0.5 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 14	●	●	
			LS	IEC: 630 V/17.5 A/0.08 - 1.5 mm ² UL: 300 V/15 A/AWG 28 - 14	●		
			LM	IEC: 630 V/17.5 A/0.2 - 2.5 mm ² UL: 300 V/15 A/AWG 24 - 14	●	●	
	Leaf spring	≤ 6.0 mm ²	LL	IEC: 500 V/32.5 A/0.5 - 6 mm ² UL: 300 V/20 A/AWG 28 - 12	●		●
			PS	IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 16	●		
			PM	IEC: 600 V/24 A/0.13 - 2.5 mm ² UL: 300 V/15 A/AWG 26 - 14	●		

Pitch, in mm		3.50		3.81	5.00			5.08			6.35	7.50	7.62	9.52		10.00	10.16	
Number of Levels		1	2	1	1	2	3	1	2	3	1	1	1	1	2	1	1	
Reflow																		
THT	SMD																	
		●	●															
		●																
										●								
					●			●	●	●								
					●			●	●	●								
					●	●	●	●	●	●				●	●	●		
					●			●										
		●																
					●			●										

<http://www.OMNIMATE.net>



PCB terminals

Type of connection	Clamping range	Type	IEC / UL	90°	135°	180°
Spring  PUSH IN	≤ 1.5 mm ²	   LSF-SMT	IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/12 A/AWG 24 - 16	●	●	●
		   LSF-SMD	IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/12 A/AWG 24 - 16	●	●	●
		  LMF(S)	IEC: 400 V/24 A/0.2 - 2.5 mm ² UL: 300 V/10 A /AWG 26 - 12	●	●	●
		 LMFV	IEC: 630 V/17.5 A/0.2 - 2.5 mm ² UL: 300 V/15 A/AWG 24 - AWG 14	●	●	●
		 LS2HF	IEC: 400 V/17 A/0.2 - 1.5 mm ² UL: 150 V/12.5 A /AWG 26 - 16	●	●	●
 Tension clamp	≤ 2.5 mm ²	   LMZF	IEC: 630 V/24 A/0.13 - 2.5 mm ² UL: 300 V/15 A/AWG 26 - 14	●	●	●

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Pitch, in mm	3.50		3.81	5.00			5.08			6.35	7.50	7.62	9.52		10.00	10.16	
	Number of Levels	1	2	1	1	2	3	1	2	3	1	1	1	1	2	1	1
Reflow																	
	THT	SMD															
	●		●		●	●		●				●	●				
	●		●		●	●		●				●	●				
	●		●		●	●		●				●	●				
		●	●		●	●						●					
		●	●		●	●						●					
					●			●									
					●							●					
	●																
					●			●	●	●		●	●			●	●

LM 3.5



Small, compact PCB terminal with our proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° or 135° version.
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 320 V / 16 A / 0.5 - 1.5 mm²
 UL: 300 V / 10 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmuller.com

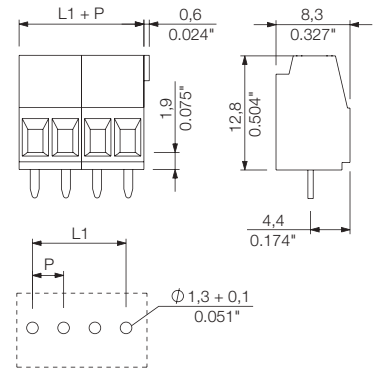
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LM 3.5/./90



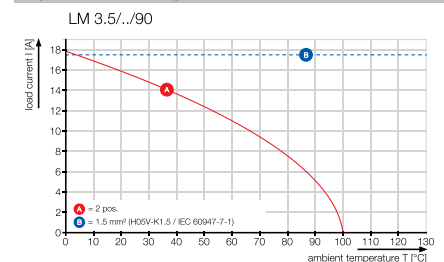
Dimensioned drawing



Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		3.50 mm	
Pol.	L1	(inch)	Qty. Order No.
2	3.50	0.138	100 1667750000
3	7.00	0.276	100 1667770000
4	10.50	0.413	100 1845040000
5	14.00	0.551	100 1720250000
6	17.50	0.689	50 1845050000
7	21.00	0.827	50 1845060000
8	24.50	0.965	50 1845070000
9	28.00	1.102	50 1845080000
10	31.50	1.240	50 1845090000
11	35.00	1.378	50 1845100000
12	38.50	1.516	50 1845110000

Representative deratings curve



Technical data

In compliance with IEC 60664-1 / IEC 61984		
Clamping range, max.	mm ²	0.08...2.08
Solid core H05(07) V-U	mm ²	0.5...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.5...1.5
Flexible with ferrule		
Ferrule with plastic collar	mm ²	0.5...0.75
Stripping length	mm	5
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264
Tightening torque range	Nm	0.2...0.25
Rated current, max.	A	16 14
At ambient temperature	20°C	40°C
For conductor cross-section		
Overtoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5
UL / CUL (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-14
CSA (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-14
General data		
Type of insulation material		PA
UL 94 flammability rating		V-2
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	1.0 x 0.6
Solder eyelet Ø = D	mm	1.3
Solder eyelet Ø tolerance	mm	+ 0,1

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

LM 3.5



Small, compact PCB terminal with our proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° or 135° version.
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...2.08	
Solid core H05(07) V-U	mm ²	0.5...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...1.5	
Flexible with ferrule			
Ferrule with plastic collar	mm ²	0.5...0.75	
Stripping length	mm	5	
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.2...0.25	
Rated current, max.	A	16	14
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 0.6	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 16 A / 0.5 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmuller.com

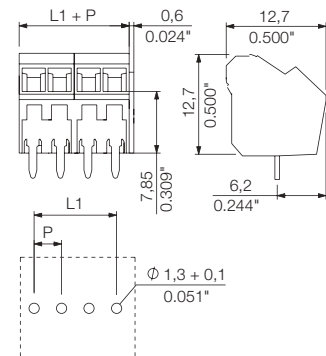
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LM 3.5/.. /135




Dimensioned drawing



Accessories

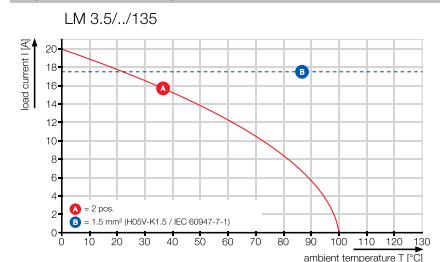
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

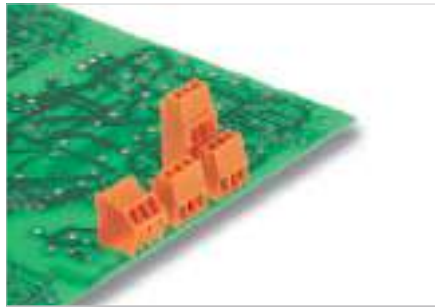
Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1714980000
3	7.00	0.276	100	1715020000
4	10.50	0.413	100	1845220000
5	14.00	0.551	50	1845230000
6	17.50	0.689	50	1845240000
7	21.00	0.827	50	1845250000
8	24.50	0.965	50	1845260000
9	28.00	1.102	50	1845270000
10	31.50	1.240	50	1845280000
11	35.00	1.378	50	1845290000
12	38.50	1.516	50	1845300000

Representative deratings curve



LM 3.5



Small, compact PCB terminal with our proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° or 135° version.
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 320 V / 13 A / 0.5 - 1.5 mm²
 UL: 300 V / 10 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

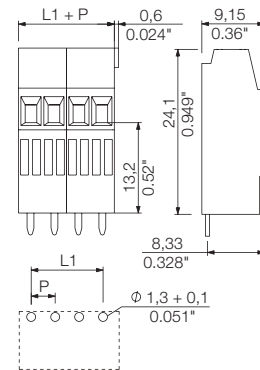
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LM1N 3.5/./90



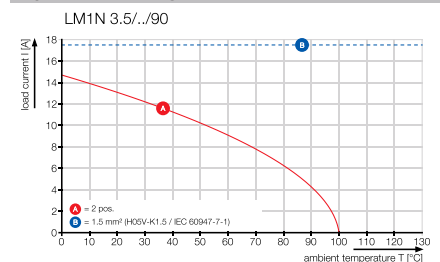
Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1716710000
3	7.00	0.276	100	1716720000

Representative deratings curve



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...2.08	
Solid core H05(07) V-U	mm ²	0.5...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...1.5	
Flexible with ferrule			
Ferrule with plastic collar	mm ²	0.5...0.75	
Stripping length	mm	5	
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.2...0.25	
Rated current, max.	A	13	11
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 0.6	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000



LM 3.5



Small, compact PCB terminal with our proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° or 135° version.
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984		
Clamping range, max.	mm ²	0.08...2.08
Solid core H05(07) V-U	mm ²	0.5...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.5...1.5
Flexible with ferrule		
Ferrule with plastic collar	mm ²	0.5...0.75
Stripping length	mm	5
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264
Tightening torque range	Nm	0.2...0.2
Rated current, max.	A	13 11
At ambient temperature	20°C	40°C
For conductor cross-section		
Overtoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5
UL / CUL (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-14
CSA (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-14
General data		
Type of insulation material		PA
UL 94 flammability rating		V-2
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	1.0 x 0.6
Solder eyelet Ø = D	mm	1.3
Solder eyelet Ø tolerance	mm	+ 0,1

Product data

IEC: 320 V / 13 A / 0.5 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmuller.com

Note:

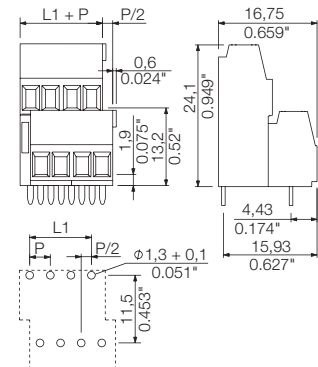
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LM2N 3.5/..90

multi-row



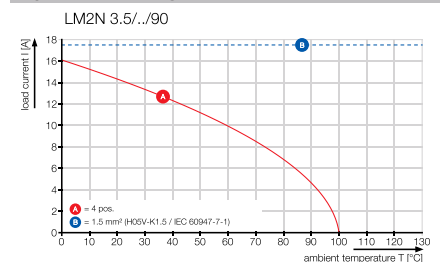
Dimensioned drawing



Ordering data


Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	100	1703700000
6	7.00	0.276	100	1703710000
8	10.50	0.413	100	1703720000
10	14.00	0.551	50	1703730000
12	17.50	0.689	50	1703740000
14	21.00	0.827	50	1703750000
16	24.50	0.965	50	1703760000
18	28.00	1.102	50	1703770000
20	31.50	1.240	50	1703780000
22	35.00	1.378	25	1703790000
24	38.50	1.516	25	1703800000

Representative deratings curve



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

LS 5.08



Small, compact PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 630 V / 17.5 A / 0.08 - 1.5 mm²
 UL: 300 V / 15 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

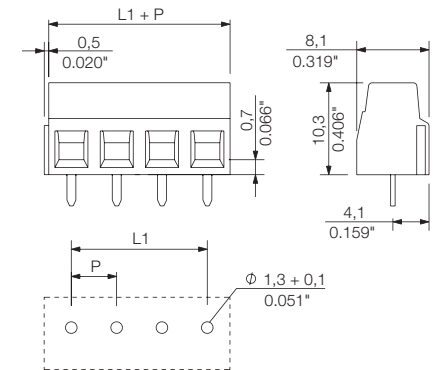
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LS 5.08/./90



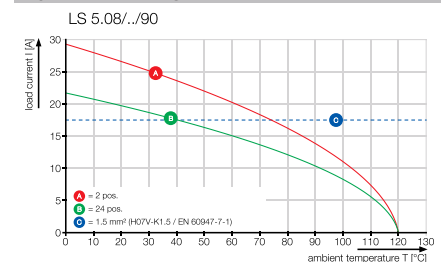
Dimensioned drawing



Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1912520000
3	10.16	0.400	100	1912530000
4	15.24	0.600	100	1912540000
5	20.32	0.800	100	1912560000
6	25.40	1.000	100	1912570000
7	30.48	1.200	100	1912850000
8	35.56	1.400	100	1912890000
9	40.64	1.600	100	1912900000
10	45.72	1.800	50	1912910000
11	50.80	2.000	100	1912930000
12	55.88	2.200	100	1912940000

Representative deratings curve



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...1.5	
Solid core H05(07) V-U	mm ²	0.08...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.08...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtolerance category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.5 x 1.0	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

LM 5.00



Single-row PCB terminal with our proven clamping-yoke screw connection in 5.00 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90°, 135° or 180° version.
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.2...2.5	
Solid core H05(07) V-U	mm²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	24-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18	10
AWG conductor	AWG	24-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.95 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
 UL: 300 V / 15 A / AWG 24 - 14



For additional articles and information, refer to catalog.weidmueller.com

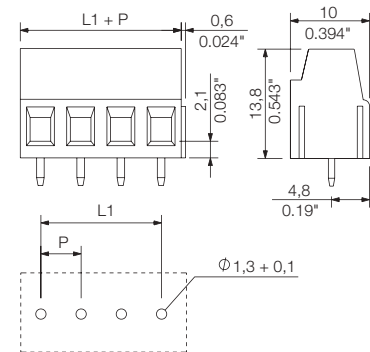
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LM 5.00/..90



Dimensioned drawing



Ordering data

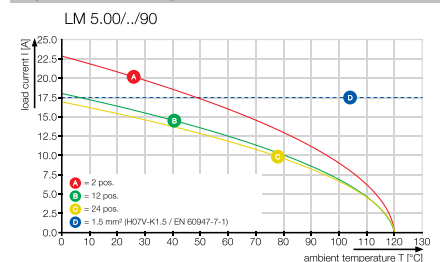
Solder pin length		3.5 mm		
Colour		orange		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	500	1715310000
3	10.00	0.394	500	1715320000
4	15.00	0.591	50	1821490000
5	20.00	0.787	50	1845310000
6	25.00	0.984	50	1845320000
7	30.00	1.181	50	1845330000
8	35.00	1.378	50	1845340000
9	40.00	1.575	50	1845350000
10	45.00	1.772	50	1845360000
11	50.00	1.969	50	1845370000
12	55.00	2.165	50	1845380000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

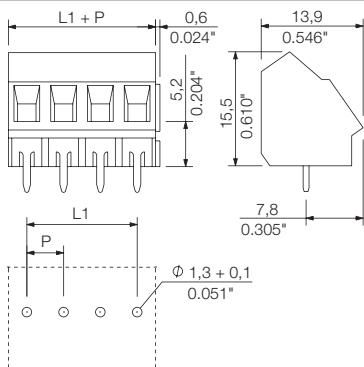
Representative deratings curve



LM 5.00../135



Dimensioned drawing



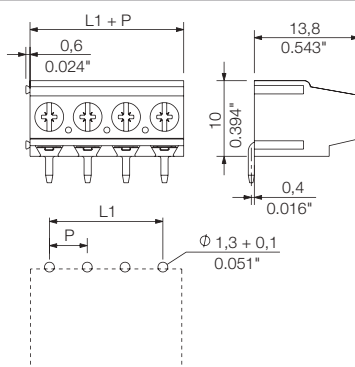
Ordering data

Solder pin length		3.5 mm			
Colour		orange			
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	500	1715350000	
3	10.00	0.394	500	1715360000	
4	15.00	0.591	50	1845390000	
5	20.00	0.787	50	1845400000	
6	25.00	0.984	50	1845410000	
7	30.00	1.181	50	1845420000	
8	35.00	1.378	50	1845430000	
9	40.00	1.575	50	1845440000	
10	45.00	1.772	50	1845450000	
11	50.00	1.969	50	1845460000	
12	55.00	2.165	50	1845470000	

LM 5.00../180



Dimensioned drawing

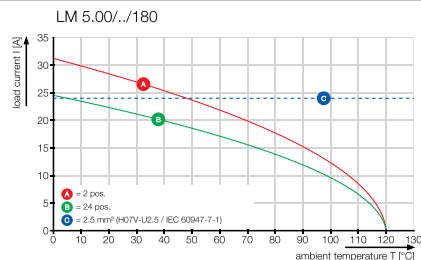
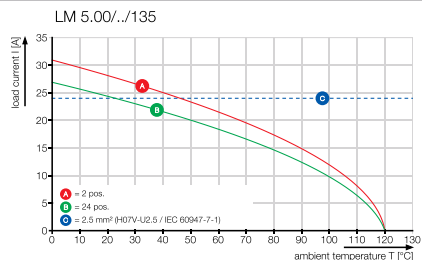


Ordering data

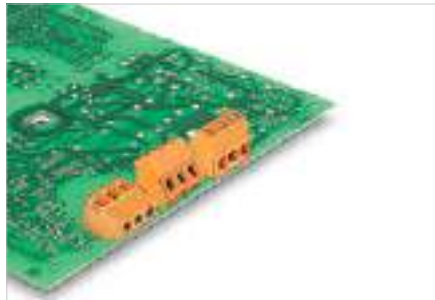
Solder pin length		3.5 mm			
Colour		orange			
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	500	1715330000	
3	10.00	0.394	500	1715340000	
4	15.00	0.591	50	1234230000	
5	20.00	0.787	50	1234240000	
6	25.00	0.984	50	1234250000	
7	30.00	1.181	50	1234270000	
8	35.00	1.378	50	1234280000	
9	40.00	1.575	50	1234290000	
10	45.00	1.772	50	1234310000	
11	50.00	1.969	50	1234320000	
12	55.00	2.165	50	1234330000	

G

Additional deratings curves



LM 5.08



Single-row PCB terminal with our proven clamping-yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90°, 135° or 180° version.
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
 UL: 300 V / 15 A / AWG 24 - 14



For additional articles and information, refer to catalog.weidmuller.com

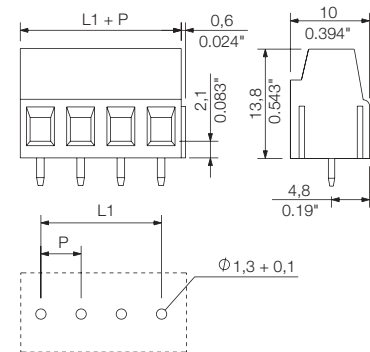
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LM 5.08/..90



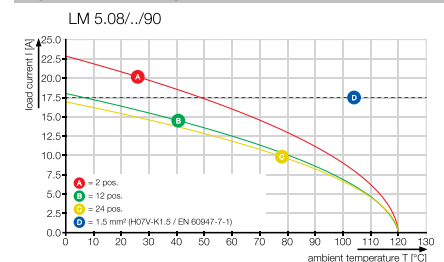
Dimensioned drawing



Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	500	1716080000
3	10.16	0.400	500	1716090000
4	15.24	0.600	50	9994130000
5	20.32	0.800	50	9994140000
6	25.40	1.000	50	9994150000
7	30.48	1.200	50	9994160000
8	35.56	1.400	50	9994170000
9	40.64	1.600	50	9994180000
10	45.72	1.800	50	9994190000
11	50.80	2.000	50	9994200000
12	55.88	2.200	50	9994210000

Representative deratings curve




Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.2...2.5	
Solid core H05(07) V-U	mm²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	24-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18	10
AWG conductor	AWG	24-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.95 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

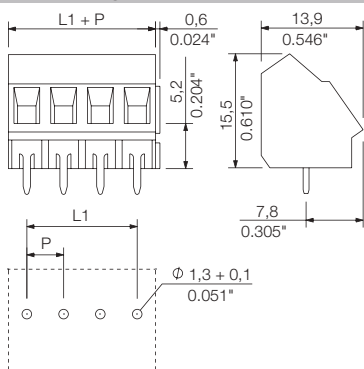
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

LM 5.08/./135



Dimensioned drawing



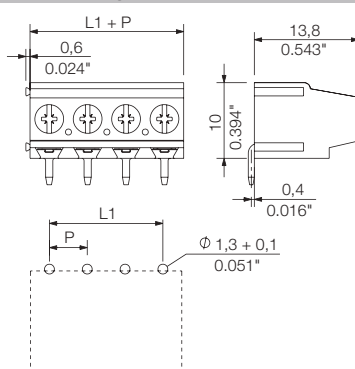
Ordering data

Solder pin length		3.5 mm			
Colour		orange			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	500	1716120000	
3	10.16	0.400	500	1716130000	
4	15.24	0.600	50	9994550000	
5	20.32	0.800	50	9994560000	
6	25.40	1.000	50	9994570000	
7	30.48	1.200	50	9994580000	
8	35.56	1.400	50	9994590000	
9	40.64	1.600	50	9994600000	
10	45.72	1.800	50	9994610000	
11	50.80	2.000	50	9994620000	
12	55.88	2.200	50	9994630000	

LM 5.08/./180



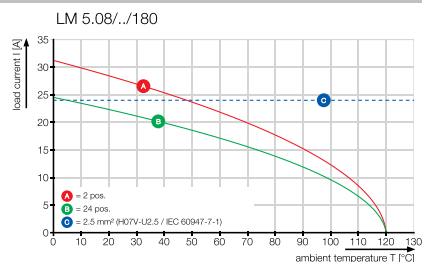
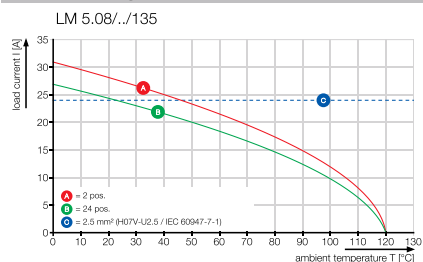
Dimensioned drawing



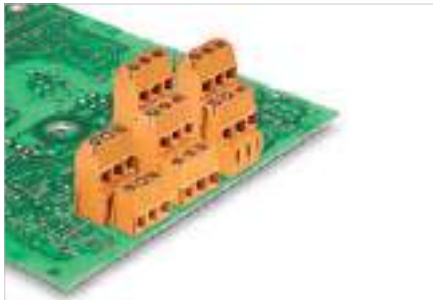
Ordering data

Solder pin length		3.5 mm			
Colour		orange			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	500	1716100000	
3	10.16	0.400	500	1716110000	
4	15.24	0.600	50	9994970000	
5	20.32	0.800	50	9994980000	
6	25.40	1.000	50	9994990000	
7	30.48	1.200	50	9995000000	
8	35.56	1.400	50	9995010000	
9	40.64	1.600	50	9995020000	
10	45.72	1.800	50	9995030000	
11	50.80	2.000	50	9995040000	
12	55.88	2.200	50	9995050000	

Additional deratings curves



LM 5.08, multi-level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- Block construction – can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.2...2.5	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	24-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18	10
AWG conductor	AWG	24-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.95 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
 UL: 300 V / 15 A / AWG 24 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

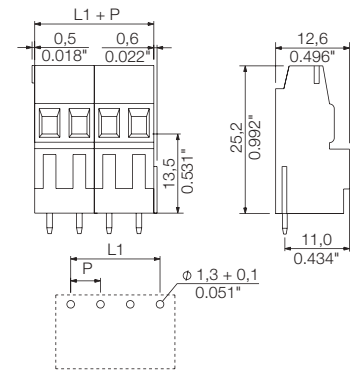
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LM1N 5.08/..90

single row medium



Dimensioned drawing



Ordering data

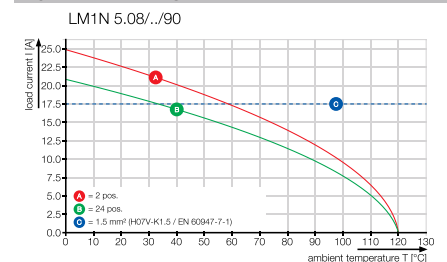
Solder pin length	3.5 mm			
Colour	orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1766300000
3	10.16	0.400	100	1766310000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Representative deratings curve

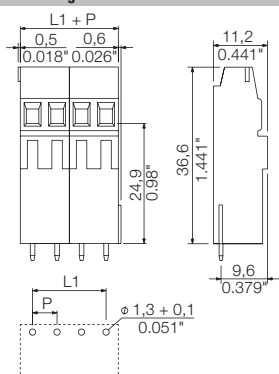


LM1H 5.08/./90

single row high



Dimensioned drawing



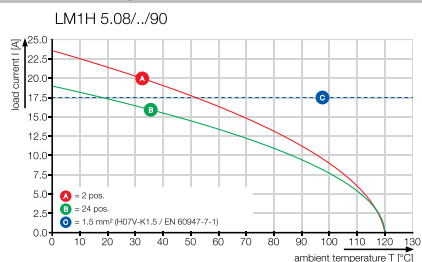
Ordering data

Solder pin length		3.5 mm	
Colour		orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	100 1766360000
3	10.16	0.400	100 1766370000

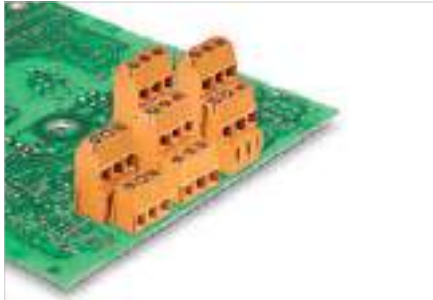
OMNIMATE® Signal PCB terminals

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Additional deratings curves



LM 5.08, multi-level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- Block construction – can be aligned together for higher pole counts.

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 24 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

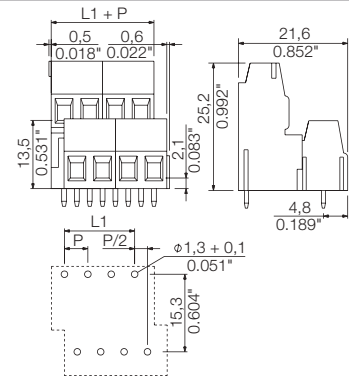
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LM2N 5.08/./90

double row low



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.2...2.5	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)	B C D	B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	24-14	
CSA (Use Group)	B C D	B	C D
Rated voltage	V	300	300
Rated current	A	18	10
AWG conductor	AWG	24-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.95 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

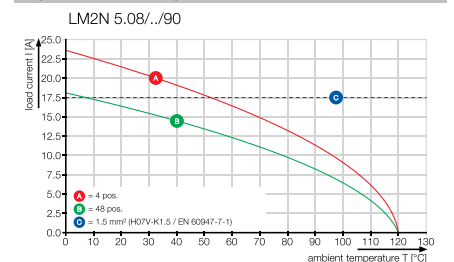
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	92	1768850000
6	10.16	0.400	64	1768860000
8	15.24	0.600	56	1768870000
10	20.32	0.800	44	1768880000
12	25.40	1.000	36	1768890000
14	30.48	1.200	32	1768900000
16	35.56	1.400	28	1768910000
18	40.64	1.600	24	1768920000
20	45.72	1.800	20	1768930000
22	50.80	2.000	20	1768940000
24	55.88	2.200	16	1768950000

Representative deratings curve

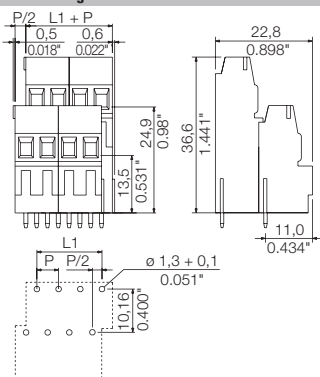


LM2H 5.08/./90

double row high



Dimensioned drawing



Ordering data

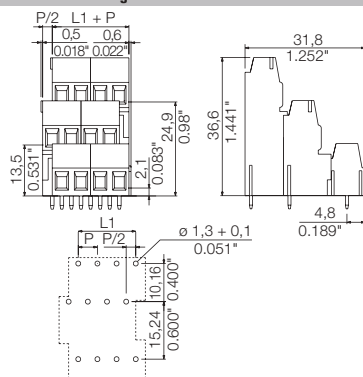
Solder pin length		3.5 mm			
Colour		orange			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
4	5.08	0.200	50	1769240000	
6	10.16	0.400	50	1769250000	
8	15.24	0.600	50	1769260000	
10	20.32	0.800	50	1769270000	
12	25.40	1.000	20	1769280000	
14	30.48	1.200	20	1769290000	
16	35.56	1.400	20	1769300000	
18	40.64	1.600	20	1769310000	
20	45.72	1.800	20	1769320000	
22	50.80	2.000	20	1769330000	
24	55.88	2.200	10	1769340000	

LM3R 5.08/./90

triple row



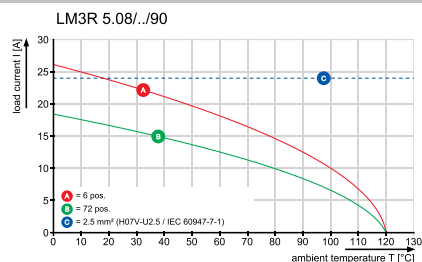
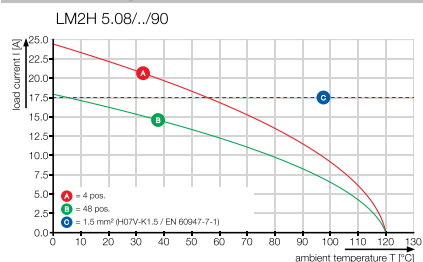
Dimensioned drawing



Ordering data

Solder pin length		3.5 mm			
Colour		orange			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
6	5.08	0.200	50	1769620000	
9	10.16	0.400	50	1769630000	
12	15.24	0.600	50	1769640000	
15	20.32	0.800	25	1769650000	
18	25.40	1.000	25	1769660000	
21	30.48	1.200	20	1769670000	
24	35.56	1.400	20	1769680000	
27	40.64	1.600	20	1769690000	
30	45.72	1.800	10	1769700000	
33	50.80	2.000	10	1769710000	
36	55.88	2.200	10	1769720000	

Additional deratings curves



LL 5.00 & LL 5.08



Single-row PCB terminal with our proven clamping yoke screw connection in 5.00 and 5.08 mm pitches, suitable for wire cross-sections up to 6.0 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 500 V / 32.5 A / 0.5 - 6 mm²
 UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

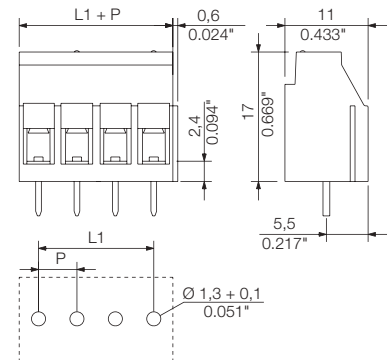
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LL 5.00/./90



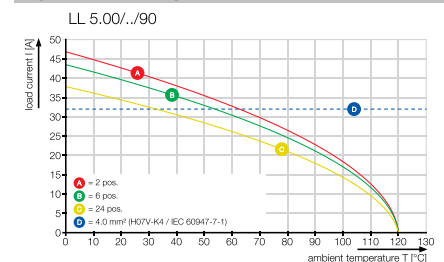
Dimensioned drawing



Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch	5.00 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	100 1934270000
3	10.00	0.394	100 1934280000
4	15.00	0.591	100 1001720000
5	20.00	0.788	50 1001730000
6	25.00	0.985	50 1001740000
7	30.00	1.182	50 1001750000
8	35.00	1.379	50 1001760000
9	40.00	1.576	50 1001770000
10	45.00	1.773	50 1001780000
11	50.00	1.970	50 1001790000
12	55.00	2.167	50 1001800000

Representative deratings curve



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...6	
Solid core H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32.5	27.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 500
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.75 x 0.9	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

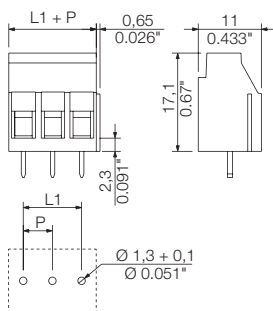
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

LL 5.08/./90



Dimensioned drawing



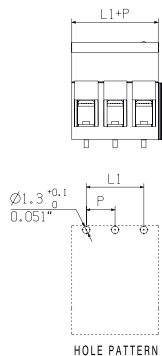
Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Order No.
2	5.08	0.200	1934250000
3	10.16	0.400	1934260000
4	15.24	0.600	1001850000
5	20.32	0.800	1001860000
6	25.40	1.000	1001870000
7	30.48	1.200	1001880000
8	35.56	1.400	1001890000
9	40.64	1.600	1001900000
10	45.72	1.800	1001910000
11	50.80	2.000	1001920000
12	55.88	2.200	1001930000

LL 5.00/./180



Dimensioned drawing



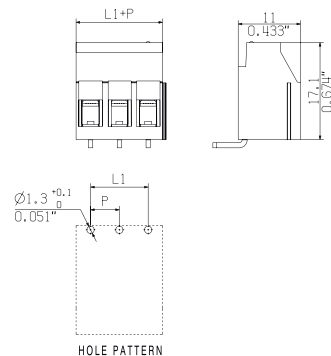
Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		5.00 mm	
Pol.	L1	(inch)	Order No.
2	5.00	0.197	1994230000
3	10.00	0.394	1994240000
4	15.00	0.591	2429470000
5	20.00	0.788	2429530000
6	25.00	0.985	2429540000
7	30.00	1.182	2429550000
8	35.00	1.379	2429560000
9	40.00	1.576	2429570000
10	45.00	1.773	2429580000
11	50.00	1.970	2429590000
12	55.00	2.167	2429600000

LL 5.08/./180



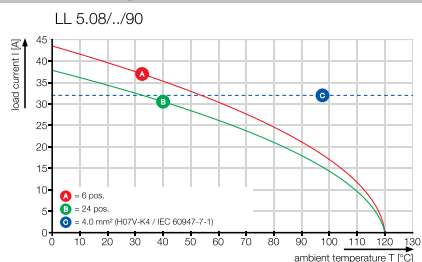
Dimensioned drawing



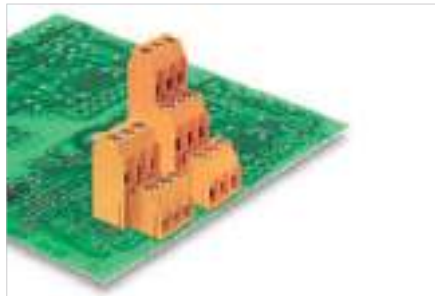
Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Order No.
2	5.08	0.200	1994250000
3	10.16	0.400	1994260000
4	15.24	0.600	2429810000
5	20.32	0.800	2431930000
6	25.40	1.000	2431950000
7	30.48	1.200	2431960000
8	35.56	1.400	2431970000
9	40.64	1.600	2431980000
10	45.72	1.800	2431990000
11	50.80	2.000	2432000000
12	55.88	2.200	2432010000

Additional deratings curves



LL 5.00, multi-level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.00 mm pitch, suitable for wire cross-sections up to 6 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- Block construction – can be aligned together for higher pole counts.

Product data

IEC: 500 V / 32.5 A / 0.5 - 6 mm²
 UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

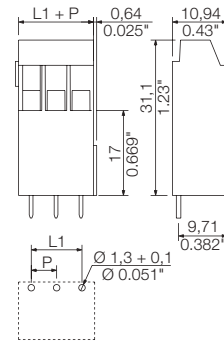
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LL1N 5.00/./90



Dimensioned drawing




Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...6	
Solid core H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32.5	27.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 500
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.75 x 0.9	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

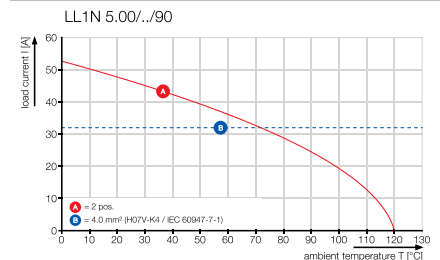
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1975250000
3	10.00	0.394	100	1975260000
4	15.00	0.591	100	1975270000
5	20.00	0.788	50	1975280000
6	25.00	0.985	50	1975290000
7	30.00	1.182	50	1975300000
8	35.00	1.379	50	1975310000
9	40.00	1.576	50	1975320000
10	45.00	1.773	50	1975330000
11	50.00	1.970	50	1975340000
12	55.00	2.167	50	1975350000

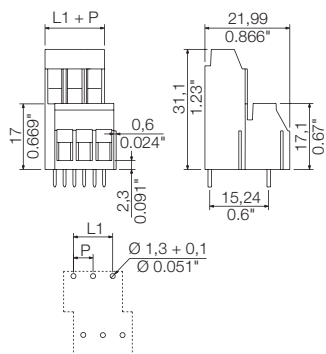
Representative deratings curve



LL2N 5.00/./90



Dimensioned drawing



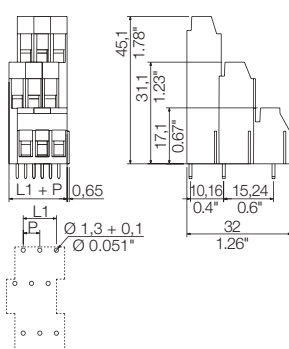
Ordering data

Solder pin length		3.2 mm			
Colour		orange			
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	
4	12.50	0.492	50	1934310000	
8	22.50	0.886	50	1977260000	
12	32.50	1.280	50	1977280000	
16	42.50	1.673	20	1977310000	
20	52.50	2.067	20	1977330000	
24	62.50	2.461	10	1977350000	

LL3R 5.00/./90



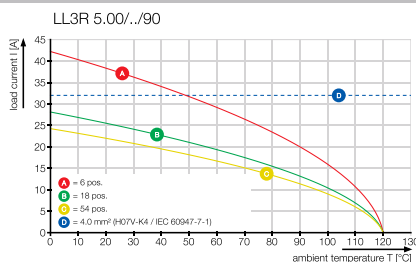
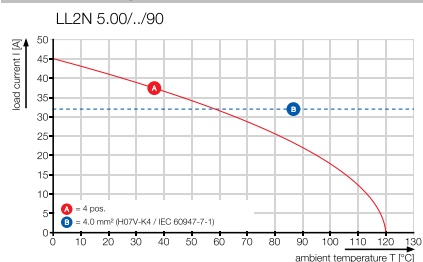
Dimensioned drawing



Ordering data

Solder pin length		3.2 mm			
Colour		orange			
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	
6	5.00	0.492	50	1934360000	
12	15.00	0.886	50	1978850000	
18	25.00	1.280	25	1978870000	
24	35.00	1.673	20	1978890000	
30	45.00	2.067	10	1978910000	
36	55.00	2.461	10	1978930000	

Additional deratings curves



LL 5.08, multi-level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 6 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- Block construction can be aligned together for higher pole counts.

Product data

IEC: 500 V / 32.5 A / 0.5 - 6 mm²
 UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

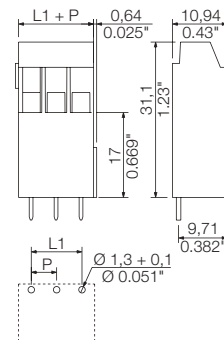
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LL1N 5.08/..90



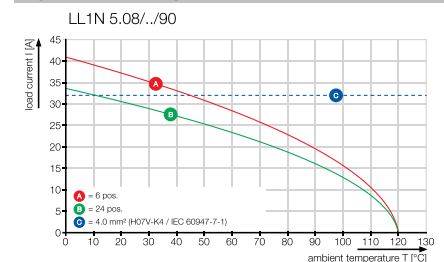
Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1975360000
3	10.16	0.400	100	1975370000
4	15.24	0.600	100	1975380000
5	20.32	0.800	50	1975390000
6	25.40	1.000	50	1975400000
7	30.48	1.200	50	1975410000
8	35.56	1.400	50	1975420000
9	40.64	1.600	50	1975430000
10	45.72	1.800	50	1975440000
11	50.80	2.000	50	1975460000
12	55.88	2.200	50	1975470000

Representative deratings curve




Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...6	
Solid core H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32.5	27.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 500
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.75 x 0.9	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

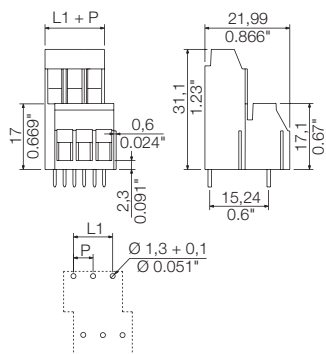
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

LL2N 5.08/./90



Dimensioned drawing



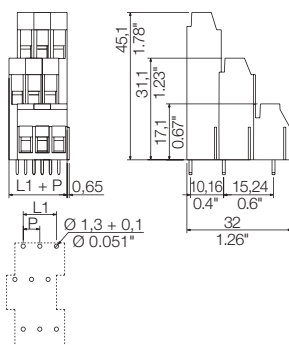
Ordering data

Solder pin length		3.2 mm			
Colour		orange			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
8	22.86	0.900	50	1977480000	
12	33.02	1.300	50	1977500000	
16	43.18	1.700	20	1977520000	
20	53.34	2.100	20	1977540000	
24	63.50	2.500	10	1977560000	

LL3R 5.08/./90



Dimensioned drawing

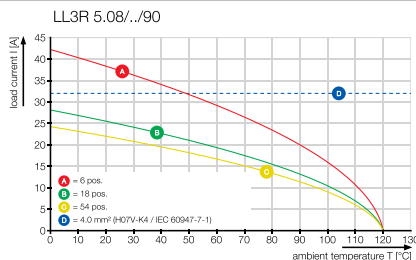
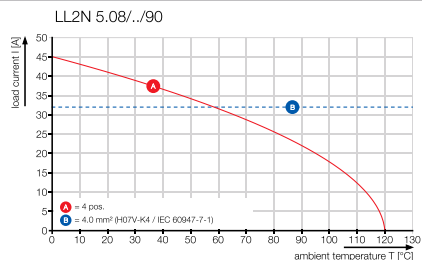


Ordering data

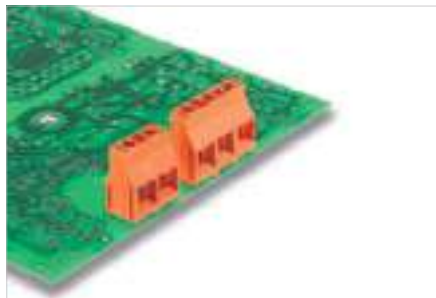
Solder pin length		3.2 mm			
Colour		orange			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
6	5.08	0.500	50	1934340000	
12	15.24	0.900	50	1979060000	
18	25.40	1.300	25	1979080000	
24	35.56	1.700	20	1979100000	
30	45.72	2.100	10	1979120000	
36	55.88	2.500	10	1979140000	

G

Additional deratings curves



LL 9.52



Single-row PCB terminal with our proven clamping-yoke screw connection in 9.52 mm pitch, suitable for wire cross-sections up to 6 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 1000 V / 32 A / 0.18 - 6 mm²
 UL: 300 V / 30 A / AWG 26 - 10



For additional articles and information, refer to catalog.weidmueller.com

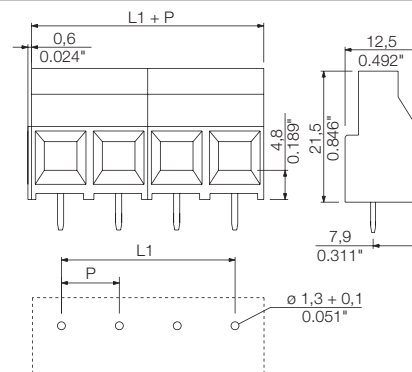
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LL 9.52../90



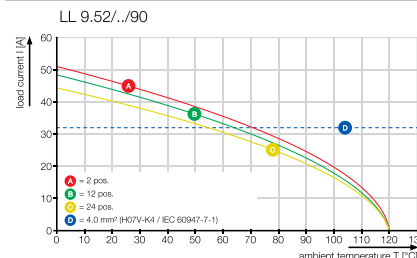
Dimensioned drawing



Ordering data

Solder pin length		5 mm		
Colour		orange		
Pitch		9.52 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	9.52	0.375	100	1724680000
3	19.04	0.750	100	1724690000

Representative deratings curve



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.18...6	
Solid core H05(07) V-U	mm ²	0.18...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.22...4	
Flexible with ferrule	mm ²	0.5...4	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.8 x 4.0	
According to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32	32
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	690	1000 1000
Rated impulse voltage	kV	8	8 6
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	30	30
AWG conductor	AWG	26-10	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	30	35
AWG conductor	AWG	26-10	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.5 x 1.0	
Solder eyelet $\varnothing = D$	mm	1.3	
Solder eyelet \varnothing tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.8X4.0X100	2749360000
	SDIS 0.8X4.0X100	2749820000
	SDK PZ1 X 80	2749440000

LL 9.52, multi-level



Double-level PCB terminal with our proven clamping yoke screw connection in 9.52 mm pitch, suitable for wire cross-sections up to 6 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- Block construction – can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.18...6
Solid core H05(07) V-U	mm²	0.18...6
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.22...4
Flexible with ferrule	mm ²	0.5...2.5
Ferrule with plastic collar	mm ²	0.5...2.5
Stripping length	mm	7
Screwdriver blade	mm	0.8 x 4.0
According to norm		DIN 5264
Tightening torque range	Nm	0.5...0.6
Rated current, max.	A	32 32
At ambient temperature	20°C	40°C
For conductor cross-section		
Overtoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	690 690 1000
Rated impulse voltage	kV	6 6 6
UL / CUL (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	30 30
AWG conductor	AWG	26-10
CSA (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	30 30
AWG conductor	AWG	26-10

General data		
Type of insulation material		Wemid (PA)
UL 94 flammability rating		V-0
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	0.5 x 1.0
Solder eyelet Ø = D	mm	1.3
Solder eyelet Ø tolerance	mm	+ 0,1

Product data

IEC: 1000 V / 32 A / 0.18 - 6 mm²
UL: 300 V / 30 A / AWG 26 - 10



For additional articles and information, refer to catalog.weidmueller.com

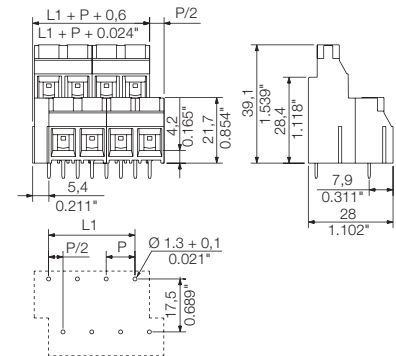
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LL2N 9.52/.. /90




Dimensioned drawing



Accessories

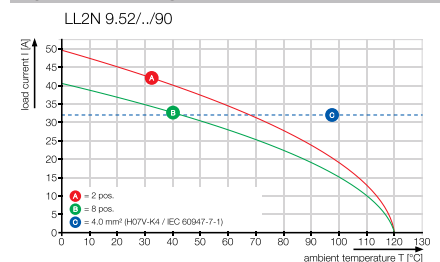
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.8X4.0X100	2749360000
	SDIS 0.8X4.0X100	2749820000
	SDK PZ1 X 80	2749440000

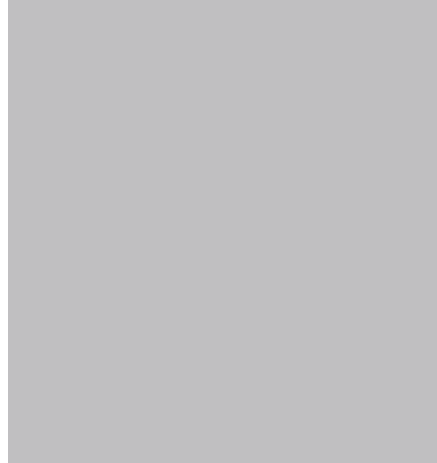
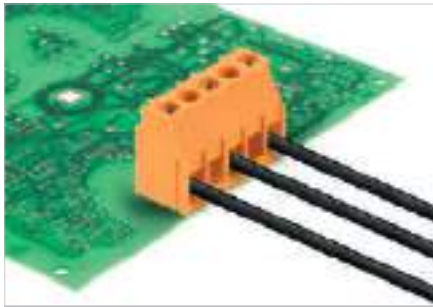
Ordering data

Solder pin length		5 mm		
Colour		orange		
Pitch		9.52 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	9.52	3.750	10	1926350000
8	28.56	11.250	10	1926360000
12	47.60	18.750	10	1926370000
16	66.64	26.250	5	1926380000
20	85.68	33.750	5	1926390000
24	104.72	41.250	5	1926400000

Representative deratings curve



LL 10.00



Product data

IEC: 1000 V / 32 A / 0.5 - 6 mm²
 UL: 300 V / 30 A / AWG 26 - 10



For additional articles and information, refer to catalog.weidmueller.com

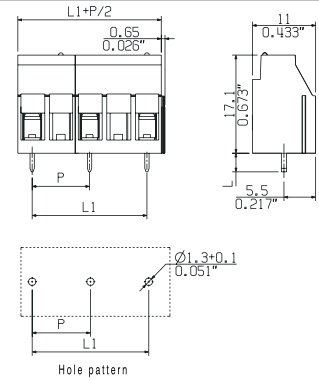
Note:

- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LL 10.00/./90



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		10.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	10.00	0.394	100	2613390000
3	20.00	0.787	50	2613340000

Technical data

In compliance with IEC 60664-1 / IEC 61984		
Clamping range, max.	mm ²	0.13...6
Solid core H05(07) V-U	mm ²	0.5...6
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.5...4
Flexible with ferrule	mm ²	0.5...2.5
Ferrule with plastic collar	mm ²	0.5...2.5
Stripping length	mm	6
Screwdriver blade	mm	0.6 x 3.5
According to norm		DIN 5264
Tightening torque range	Nm	0.5...0.6
Rated current, max.	A	32 32
At ambient temperature	20°C	40°C
For conductor cross-section		
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	630 630 1000
Rated impulse voltage	V	8 8 1000
UL / CUL (Use Group)	B C D	
Rated voltage	V	300 150 300
Rated current	A	30 10 10
AWG conductor	AWG	26-10
CSA (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	30 10
AWG conductor	AWG	26-10
General data		
Type of insulation material		Wemid (PA)
UL 94 flammability rating		V-0
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	0.75 x 0.9
Solder eyelet Ø = D	mm	1.3
Solder eyelet Ø tolerance	mm	+ 0,1

Accessories

Note: Refer to the Accessories chapter for additional accessories.

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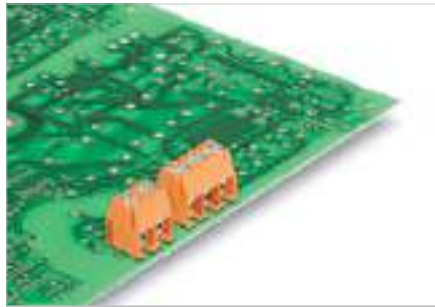
10.00

90°



6 mm²

PS 3.5/..90



Highly compact PCB terminal with leaf spring screw connection in 3.5 mm pitch for wire cross-sections up to 1.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 10 A / AWG 28 - 16



For additional articles and information, refer to catalog.weidmueller.com

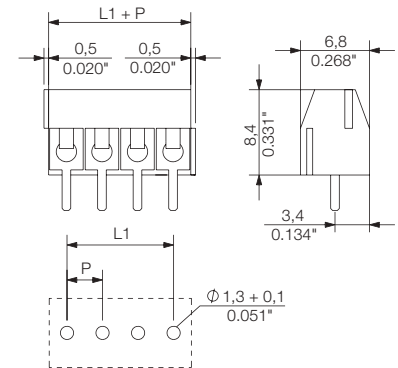
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The data given under CSA relates to a cUL approval - E60693
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

PS 3.5/..90



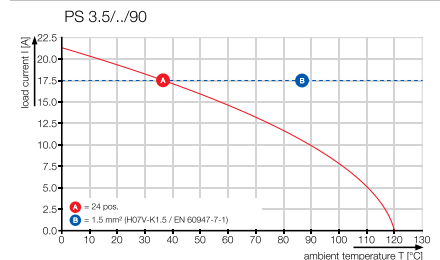
Dimensioned drawing



Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1912320000
3	7.00	0.276	100	1912330000
4	10.50	0.413	100	1912340000
5	14.00	0.551	100	1912350000
6	17.50	0.689	100	1912360000
7	21.00	0.827	100	1912370000
8	24.50	0.965	100	1912380000
9	28.00	1.102	100	1912390000
10	31.50	1.240	100	1912400000
11	35.00	1.378	100	1912410000
12	38.50	1.516	100	1912420000

Representative deratings curve




Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...1.5	
Solid core H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...0.75	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	4	
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.2...0.25	
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-16	
CSA (Use Group)		B	C D
Rated voltage	V	300	
Rated current	A	10	
AWG conductor	AWG	28-16	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.6X3.5X100	2749810000

PM 5.00/./90



PCB terminal with leaf spring screw connection in 5.00 and 5.08 mm pitches for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm ²	0.13...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.13...2.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	24	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	250 600
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 600 V / 24 A / 0.13 - 2.5 mm²
 UL: 300 V / 15 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

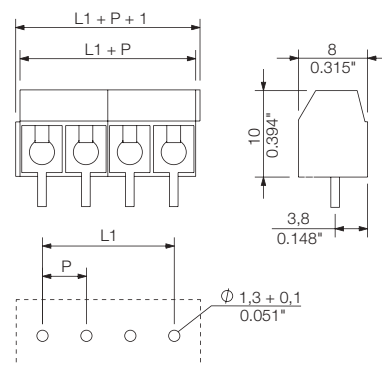
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The data given under CSA relates to a cUL approval - E60693
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

PM 5.00/./90



Dimensioned drawing



Ordering data

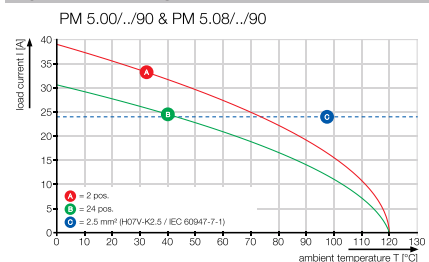
Solder pin length		3.5 mm		
Colour		orange		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	500	1791610000
3	10.00	0.394	500	1791620000
4	15.00	0.591	100	1234650000
5	20.00	0.787	100	1234670000
6	25.00	0.984	500	1234680000
7	30.00	1.181	100	1234690000
8	35.00	1.378	100	1234700000
9	40.00	1.575	100	1234710000
10	45.00	1.772	100	1234720000
11	50.00	1.969	100	1234730000
12	55.00	2.165	100	1234740000

Accessories

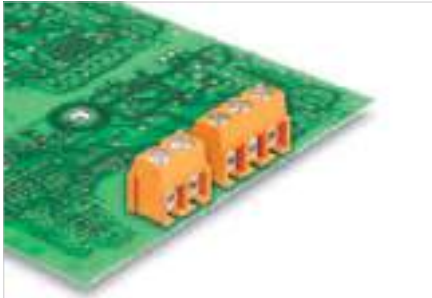
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.6X3.5X100	2749810000

Representative deratings curve



PM 5.08/./90



PCB terminal with leaf spring screw connection in 5.00 and 5.08 mm pitches for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- 2- and 3-pole block construction – can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm ²	0.13...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.13...2.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	24	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	250 600
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 600 V / 24 A / 0.13 - 2.5 mm²
 UL: 300 V / 15 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

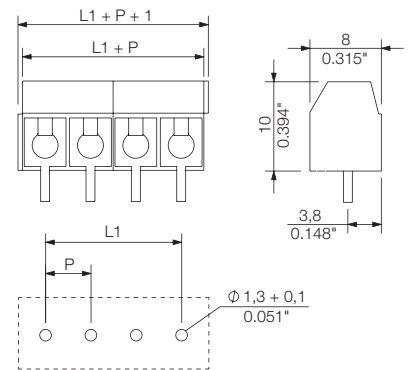
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The data given under CSA relates to a cUL approval - E60693
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

PM 5.08/./90



Dimensioned drawing



Accessories

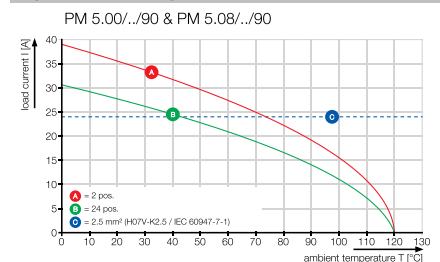
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.6X3.5X100	2749810000

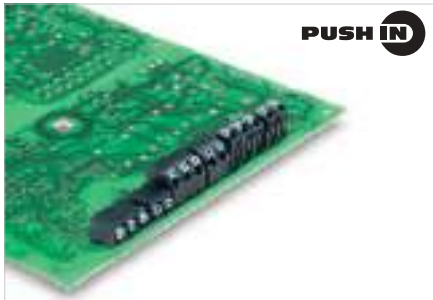
Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	500	1760490000
3	10.16	0.400	500	1760500000
4	15.24	0.600	100	1234550000
5	20.32	0.800	100	1234570000
6	25.40	1.000	100	1234580000
7	30.48	1.200	100	1234590000
8	35.56	1.400	100	1234600000
9	40.64	1.600	100	1234610000
10	45.72	1.800	50	1234620000
11	50.80	2.000	100	1234630000
12	55.88	2.200	100	1234640000

Representative deratings curve



LSF-SMT 3.5/./90



PCB terminal for fully automatic assembly, in 3.5 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmuller.com

Note:

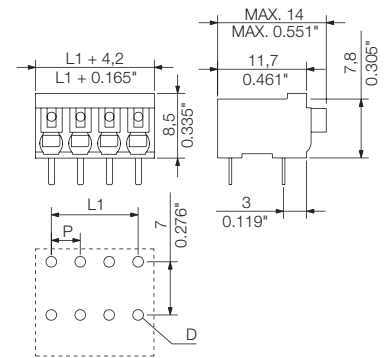
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMT 3.5/./90

Reflow-compatible PCB terminal




Dimensioned drawing



Accessories

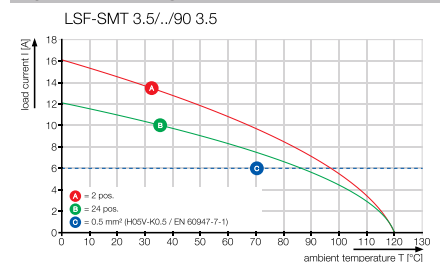
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length		1.5 mm	3.5 mm		
Colour		black	black		
Pitch 3.50 mm					
Pol.	L1 (inch)	Qty.	Order No.	Order No.	
2	3.50	0.138	71	1870500000	1824420000
3	7.00	0.276	49	1870530000	1824430000
4	10.50	0.413	37	1870550000	1824440000
5	14.00	0.551	30	1870580000	1824450000
6	17.50	0.689	25	1870590000	1824460000
7	21.00	0.827	21	1871020000	1824470000
8	24.50	0.965	19	1871030000	1824480000
9	28.00	1.102	17	1871040000	1824490000
10	31.50	1.240	15	1871050000	1824500000
11	35.00	1.378	14	1871060000	1824510000
12	38.50	1.516	12	1871070000	1824520000

Representative deratings curve



LSF-SMT 3.5/./90 Tape

Reflow-compatible PCB terminal



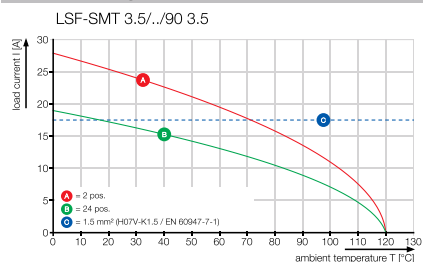
Dimensioned drawing

Ordering data

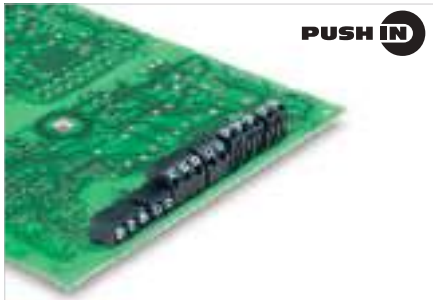
Solder pin length		1.5 mm	3.5 mm		
Colour		black	black		
Pitch		3.50 mm			
Pol.	L1 (inch)	Qty.	Order No.		
2	3.50	0.138	265	1874690000	1874990000
3	7.00	0.276	265	1874710000	1875030000
4	10.50	0.413	265	1874730000	1875050000
5	14.00	0.551	265	1874740000	1875070000
6	17.50	0.689	265	1874810000	1875080000
7	21.00	0.827	265	1874840000	1875100000
8	24.50	0.965	265	1874890000	1875110000
9	28.00	1.102	265	1874900000	1875120000
10	31.50	1.240	265	1874930000	1875130000
11	35.00	1.378	265	1874940000	1875140000
12	38.50	1.516	265	1874970000	1875160000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 3.5/./135



PCB terminal for fully automatic assembly, in 3.5 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 135° version

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmuller.com

Note:

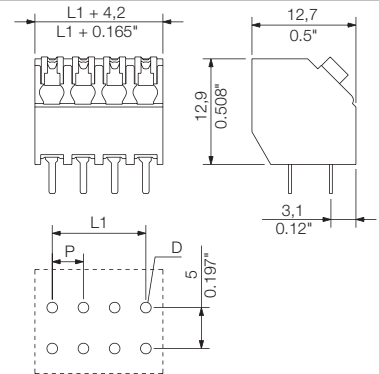
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMT 3.5/./135

Reflow-compatible PCB terminal



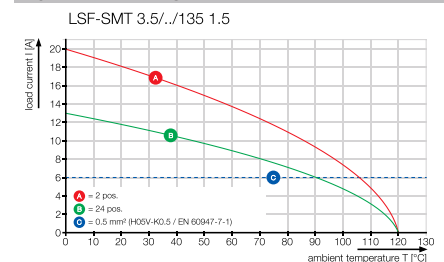
Dimensioned drawing



Ordering data

Solder pin length	1.5 mm		3.5 mm	
	black		black	
Colour	black		black	
Pitch	3.50 mm			
Pol.	L1 (inch)	Qty.	Order No.	Order No.
2	3.50	0.138	71	1885180000 1885650000
3	7.00	0.276	49	1885190000 1885660000
4	10.50	0.413	37	1885200000 1885670000
5	14.00	0.551	30	1885210000 1885680000
6	17.50	0.689	25	1885220000 1885690000
7	21.00	0.827	21	1885230000 1885700000
8	24.50	0.965	19	1885240000 1885710000
9	28.00	1.102	17	1885250000 1885720000
10	31.50	1.240	15	1885260000 1885730000
11	35.00	1.378	14	1885270000 1885740000
12	38.50	1.516	12	1885280000 1885750000

Representative deratings curve



LSF-SMT 3.5/./135 Tape

Reflow-compatible PCB terminal



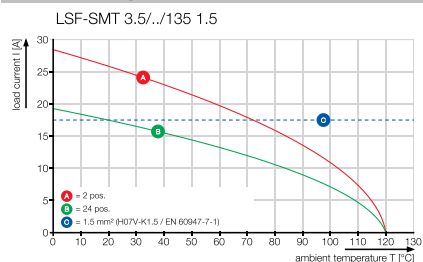
Dimensioned drawing

Ordering data

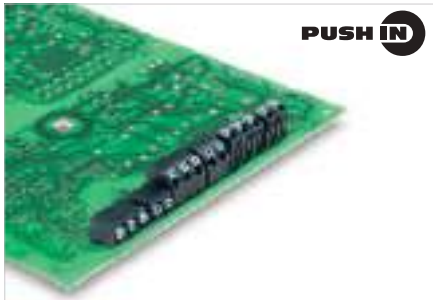
Solder pin length		1.5 mm	3.5 mm
Colour		black	black
Pitch		3.50 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	3.50	0.138	190 1887550000 1887340000
3	7.00	0.276	190 1887560000 1887350000
4	10.50	0.413	190 1887580000 1887360000
5	14.00	0.551	190 1887630000 1887460000
6	17.50	0.689	190/175 1887640000 1887470000
7	21.00	0.827	190 1887650000 1887480000
8	24.50	0.965	190 1887660000 1887490000
9	28.00	1.102	190 1887670000 1887500000
10	31.50	1.240	190 1887680000 1887510000
11	35.00	1.378	190 1887690000 1887520000
12	38.50	1.516	190 1887700000 1887530000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 3.5/./180



PCB terminal for fully automatic assembly, in 3.5 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

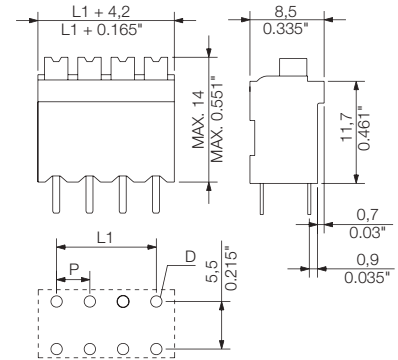
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMT 3.5/./180

Reflow-compatible PCB terminal



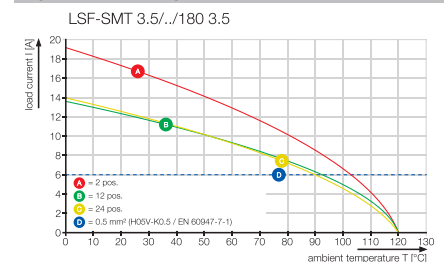
Dimensioned drawing



Ordering data

Solder pin length	1.5 mm		3.5 mm	
	black		black	
Pitch	3.50 mm			
Pol.	L1 (inch)	Qty.	Order No.	Order No.
2	3.50	0.138	71	1870640000 1825640000
3	7.00	0.276	49	1870650000 1825650000
4	10.50	0.413	37	1870660000 1825660000
5	14.00	0.551	30	1870670000 1825670000
6	17.50	0.689	25	1870680000 1825680000
7	21.00	0.827	21	1870690000 1825690000
8	24.50	0.965	19	1870700000 1825700000
9	28.00	1.102	17	1870710000 1825710000
10	31.50	1.240	15	1870720000 1825720000
11	35.00	1.378	14	1870730000 1825730000
12	38.50	1.516	12	1870740000 1825740000

Representative deratings curve



LSF-SMT 3.5/./180 Tape

Reflow-compatible PCB terminal



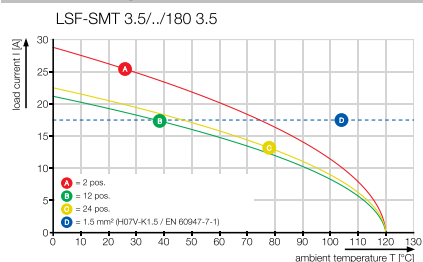
Dimensioned drawing

Ordering data

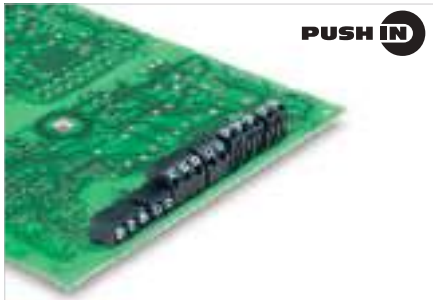
Solder pin length		1.5 mm	3.5 mm
Colour		black	black
Pitch		3.50 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	3.50	0.138	175 1874490000 1874510000
3	7.00	0.276	175 1874300000 1874520000
4	10.50	0.413	175 1874280000 1874540000
5	14.00	0.551	175 1874310000 1874560000
6	17.50	0.689	175 1874320000 1874590000
7	21.00	0.827	175 1874340000 1874600000
8	24.50	0.965	175 1874350000 1874610000
9	28.00	1.102	175 1874370000 1874620000
10	31.50	1.240	175 1874380000 1874640000
11	35.00	1.378	175 1874400000 1874660000
12	38.50	1.516	175 1874420000 1874680000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 3.81../90



PCB terminal for fully automatic assembly in 3.81 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

3.81

90°

1.5 mm²

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14




For additional articles and information, refer to catalog.weidmuller.com

Note:

- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

Accessories

Note: Refer to the Accessories chapter for additional accessories.

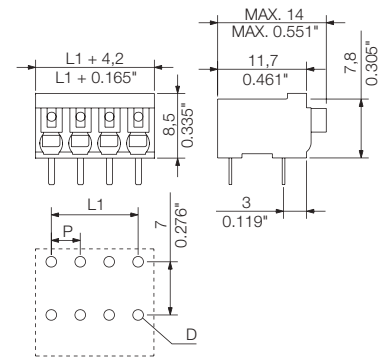
Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

LSF-SMT 3.81../90

Reflow-compatible PCB terminal



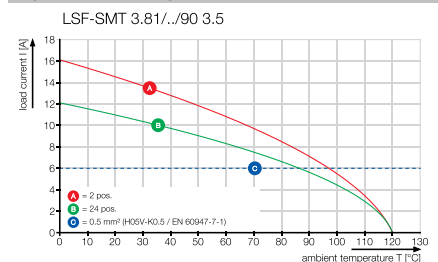
Dimensioned drawing



Ordering data

Solder pin length	1.5 mm		3.5 mm	
	black		black	
Pitch	3.81 mm			
Pol.	L1 (inch)	Qty.	Order No.	Order No.
2	3.81 0.150	69	1869360000	1824620000
3	7.62 0.300	46	1869370000	1824630000
4	11.43 0.450	35	1869380000	1824640000
5	15.24 0.600	28	1869390000	1824650000
6	19.05 0.750	23	1869400000	1824660000
7	22.86 0.900	20	1869410000	1824690000
8	26.67 1.050	17	1869420000	1824700000
9	30.48 1.200	15	1869430000	1824710000
10	34.29 1.350	14	1869440000	1824720000
11	38.10 1.500	13	1869450000	1824730000
12	41.91 1.650	12	1869460000	1825300000

Representative deratings curve



LSF-SMT 3.81../90 Tape

Reflow-compatible PCB terminal



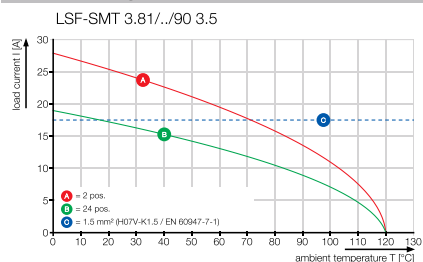
Dimensioned drawing

Ordering data

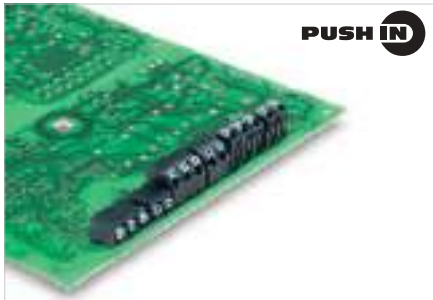
Solder pin length		1.5 mm	3.5 mm
Colour		black	black
Pitch		3.81 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	3.81	0.150	265 1875170000 1875920000
3	7.62	0.300	265 1875230000 1875930000
4	11.43	0.450	265 1875240000 1875940000
5	15.24	0.600	265 1875250000 1875950000
6	19.05	0.750	265 1875260000 1875960000
7	22.86	0.900	265 1875270000 1875970000
8	26.67	1.050	265 1875280000 1875980000
9	30.48	1.200	265 1875290000 1875990000
10	34.29	1.350	265 1875300000 1876000000
11	38.10	1.500	265 1875310000 1876010000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 3.81../135



PCB terminal for fully automatic assembly in 3.81 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 135°

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmuller.com

Note:

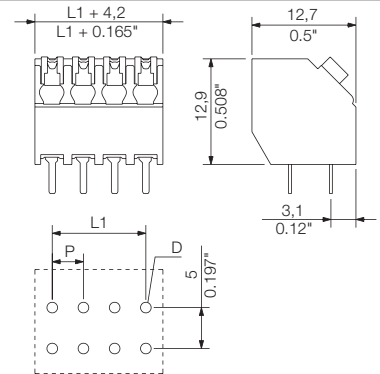
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMT 3.81../135

Reflow-compatible PCB terminal



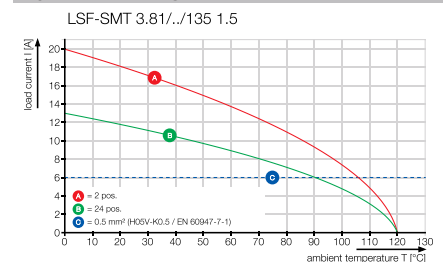
Dimensioned drawing



Ordering data

Solder pin length	1.5 mm		3.5 mm	
	black		black	
Pitch	3.81 mm			
Pol.	L1 (inch)	Qty.	Order No.	Order No.
2	3.81 0.150	69	1885410000	1885880000
3	7.62 0.300	46	1885420000	1885890000
4	11.43 0.450	35	1885430000	1885900000
5	15.24 0.600	28	1885440000	1885910000
6	19.05 0.750	23	1885450000	1885920000
7	22.86 0.900	20	1885460000	1885930000
8	26.67 1.050	17	1885470000	1885940000
9	30.48 1.200	15	1885480000	1885950000
10	34.29 1.350	14	1885490000	1885960000
11	38.10 1.500	13	1885510000	1885970000
12	41.91 1.650	12	1885520000	1885980000

Representative deratings curve



LSF-SMT 3.81../135 Tape

Reflow-compatible PCB terminal



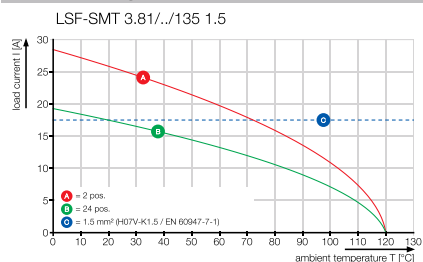
Dimensioned drawing

Ordering data

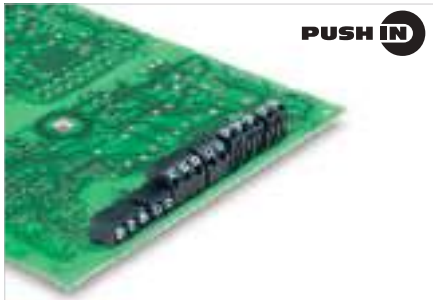
Solder pin length		1.5 mm	3.5 mm		
Colour		black	black		
Pitch		3.81 mm			
Pol.	L1 (inch)	Qty.	Order No.		
2	3.81	0.150	175	1888450000	1888320000
3	7.62	0.300	190	1888460000	1888330000
4	11.43	0.450	190	1888470000	1888340000
5	15.24	0.600	190	1888480000	1888380000
6	19.05	0.750	190	1888490000	1888390000
7	22.86	0.900	190	1888500000	1888400000
8	26.67	1.050	190	1888510000	1888410000
9	30.48	1.200	190	1888520000	1888420000
10	34.29	1.350	190	1888530000	1888430000
11	38.10	1.500	190	1888540000	1888440000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 3.81../180



PCB terminal for fully automatic assembly in 3.81 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

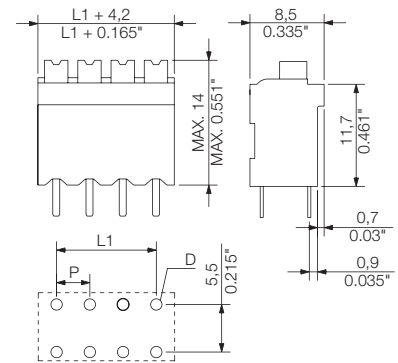
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMT 3.81../180

Reflow-compatible PCB terminal



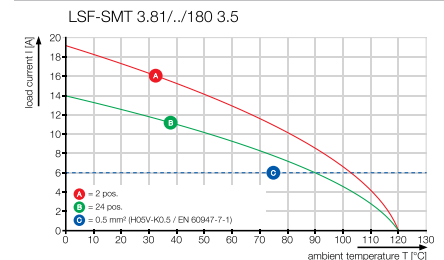
Dimensioned drawing



Ordering data

Solder pin length	1.5 mm		3.5 mm	
	black		black	
Pitch	3.81 mm			
Pol.	L1 (inch)	Qty.	Order No.	Order No.
2	3.81 0.150	69	1869890000	1825790000
3	7.62 0.300	46	1869900000	1825800000
4	11.43 0.450	35	1869910000	1825810000
5	15.24 0.600	28	1869920000	1825820000
6	19.05 0.750	23	1869930000	1825830000
7	22.86 0.900	20	1869940000	1825840000
8	26.67 1.050	17	1869950000	1825850000
9	30.48 1.200	15	1869960000	1825870000
10	34.29 1.350	14	1869970000	1825880000
11	38.10 1.500	13	1870000000	1825890000
12	41.91 1.650	12	1870010000	1825920000

Representative deratings curve



LSF-SMT 3.81../180 Tape

Reflow-compatible PCB terminal



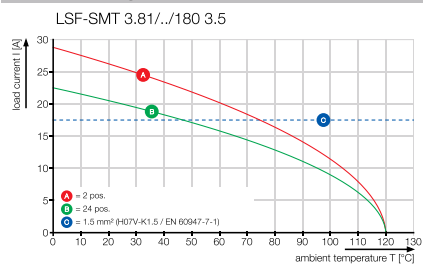
Dimensioned drawing

Ordering data

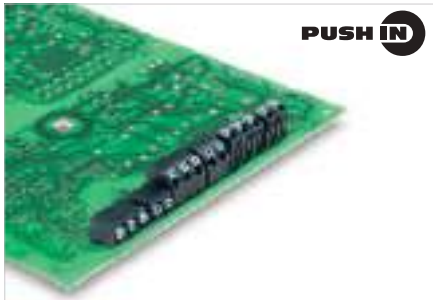
Solder pin length		1.5 mm	3.5 mm
Colour		black	black
Pitch		3.81 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	3.81	0.150	175 1875320000 1875550000
3	7.62	0.300	175 1875330000 1875570000
4	11.43	0.450	175 1875340000 1875590000
5	15.24	0.600	175 1875350000 1875650000
6	19.05	0.750	175 1875360000 1875670000
7	22.86	0.900	175 1875370000 1875680000
8	26.67	1.050	175 1875380000 1875710000
9	30.48	1.200	175 1875390000 1875730000
10	34.29	1.350	175 1875400000 1875760000
11	38.10	1.500	175 1875410000 1875810000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.00/./90



PCB terminal for fully automatic assembly in 5.00 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm². Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 500
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmuller.com

Note:

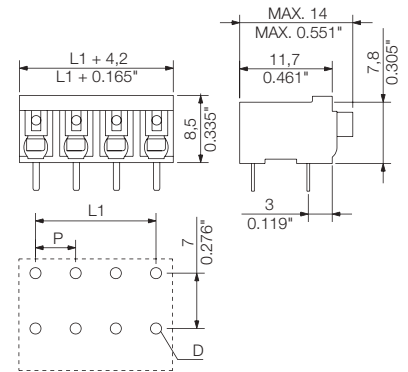
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMT 5.00/./90

Reflow-compatible PCB terminal



Dimensioned drawing




Ordering data

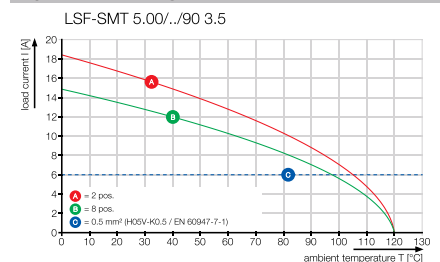
Solder pin length	1.5 mm		3.5 mm		
	black		black		
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	60	1869600000	1824740000
3	10.00	0.394	39	1869610000	1824750000
4	15.00	0.591	28	1869620000	1824760000
5	20.00	0.788	22	1869630000	1824770000
6	25.00	0.985	18	1869640000	1824780000
7	30.00	1.182	16	1869650000	1824790000
8	35.00	1.379	14	1869660000	1824800000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Representative deratings curve



LSF-SMT 5.00/./90 Tape

Reflow-compatible PCB terminal



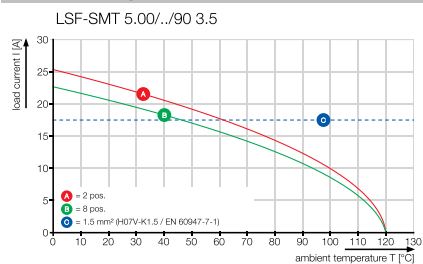
Dimensioned drawing

Ordering data

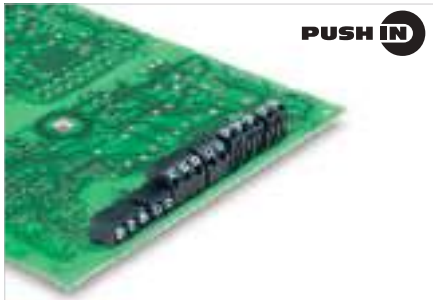
Solder pin length		1.5 mm	3.5 mm		
Colour		black	black		
Pitch		5.00 mm			
Pol.	L1 (inch)	Qty.	Order No.		
2	5.00	0.197	265	1876240000	1876430000
3	10.00	0.394	265	1876260000	1876510000
4	15.00	0.591	265	1876270000	1876530000
5	20.00	0.788	265	1876280000	1876550000
6	25.00	0.985	265	1876300000	1876560000
7	30.00	1.182	265	1876330000	1876540000
8	35.00	1.379	265	1876350000	1876520000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.00/././135



PCB terminal for fully automatic assembly in 5.00 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 135° version

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 500
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

5.00

135°

1.5 mm²

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14




For additional articles and information, refer to catalog.weidmueller.com

Note:

- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

Accessories

Note: Refer to the Accessories chapter for additional accessories.

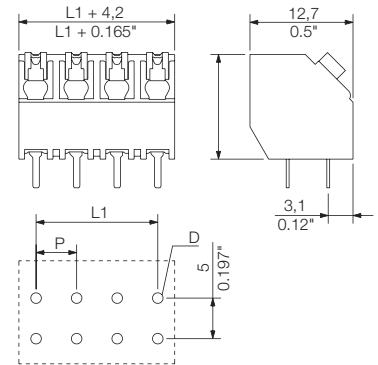
Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

LSF-SMT 5.00/././135

Reflow-compatible PCB terminal



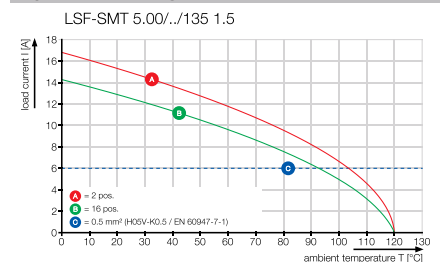
Dimensioned drawing



Ordering data

Solder pin length	1.5 mm		3.5 mm	
	black		black	
Pitch	5.00 mm			
Pol.	L1 (inch)	Qty.	Order No.	Order No.
2	5.00	60	1884530000	1884340000
3	10.00	39	1884540000	1884370000
4	15.00	28	1884550000	1884380000
5	20.00	22	1884560000	1884390000
6	25.00	18	1884570000	1884400000
7	30.00	16	1884580000	1884410000
8	35.00	14	1884590000	1884420000
9	40.00	12	1884600000	1884430000
10	45.00	11	1884660000	1884440000
11	50.00	10	1884670000	1884450000
12	55.00	9	1884680000	1884460000

Representative deratings curve



LSF-SMT 5.00/./135 Tape

Reflow-compatible PCB terminal



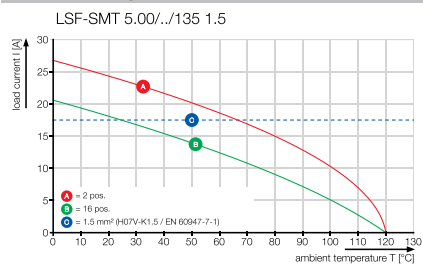
Dimensioned drawing

Ordering data

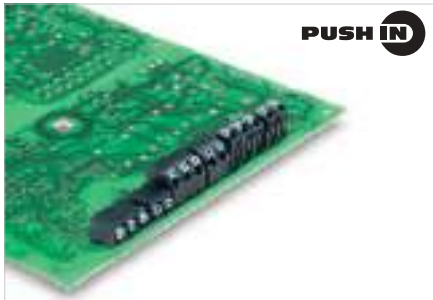
Solder pin length		1.5 mm	3.5 mm
Colour		black	black
Pitch		5.00 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	5.00 0.197	190	1888570000 1888640000
3	10.00 0.394	190	1888580000 1888650000
4	15.00 0.591	190	1888590000 1888660000
5	20.00 0.787	190	1888600000 1888670000
6	25.00 0.984	190	1888610000 1888680000
7	30.00 1.181	190	1888620000 1888690000
8	35.00 1.378	190	1888630000 1888700000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.00/././180



PCB terminal for fully automatic assembly in 5.00 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 500
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

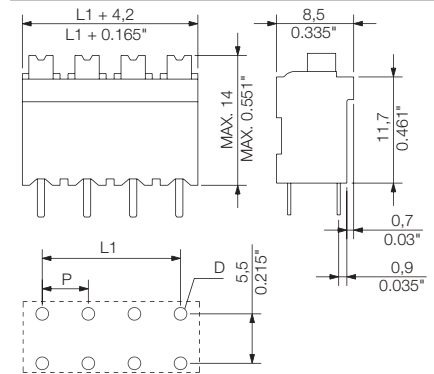
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMT 5.00/././180

Reflow-compatible PCB terminal



Dimensioned drawing



Ordering data

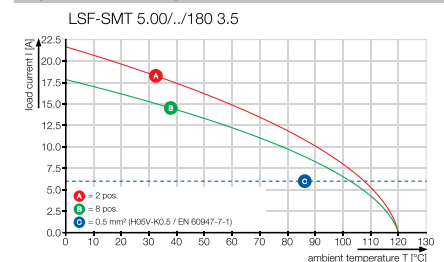
Solder pin length		1.5 mm	3.5 mm		
Colour		black	black		
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	60	1870140000	1825960000
3	10.00	0.394	39	1870150000	1825970000
4	15.00	0.591	28	1870160000	1825980000
5	20.00	0.787	22	1870170000	1825990000
6	25.00	0.984	18	1870180000	1826000000
7	30.00	1.181	16	1870190000	1826010000
8	35.00	1.378	14	1870200000	1826020000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Representative deratings curve



LSF-SMT 5.00/./180 Tape

Reflow-compatible PCB terminal



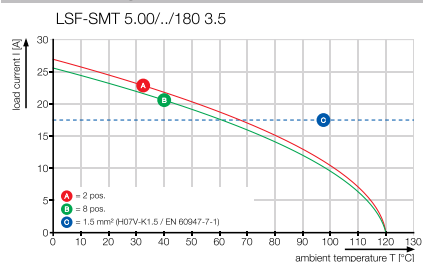
Dimensioned drawing

Ordering data

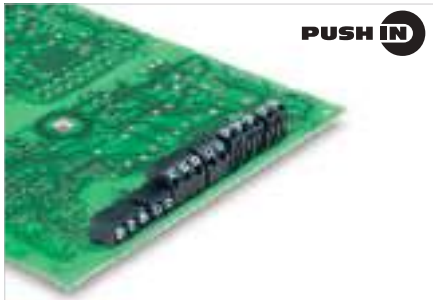
Solder pin length		1.5 mm	3.5 mm		
Colour		black	black		
Pitch		5.00 mm			
Pol.	L1 (inch)	Qty.	Order No.		
2	5.00	0.197	175	1876020000	1876110000
3	10.00	0.394	175	1876030000	1876130000
4	15.00	0.591	175	1876050000	1876140000
5	20.00	0.787	175	1876060000	1876160000
6	25.00	0.984	175	1876070000	1876200000
7	30.00	1.181	175	1876080000	1876220000
8	35.00	1.378	175	1876090000	1876230000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.08/./90



PCB terminal for fully automatic assembly in 5.08 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtolerance category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 500
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmuller.com

Note:

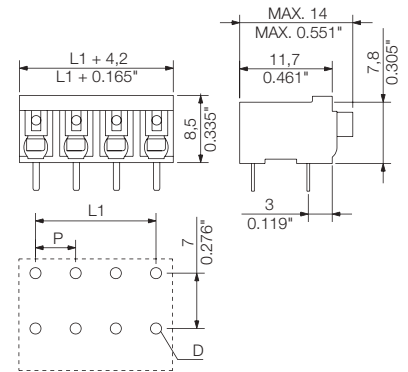
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMT 5.08/./90

Reflow-compatible PCB terminal



Dimensioned drawing



Ordering data

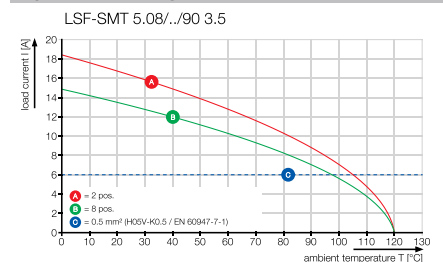
Solder pin length	1.5 mm		3.5 mm		
	black		black		
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	59	1869670000	1824810000
3	10.16	0.400	38	1869680000	1824820000
4	15.24	0.600	28	1869690000	1824830000
5	20.32	0.800	22	1869700000	1824840000
6	25.40	1.000	18	1869710000	1824850000
7	30.48	1.200	15	1869720000	1824860000
8	35.56	1.400	13	1869730000	1824870000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Representative deratings curve



LSF-SMT 5.08/./90 Tape

Reflow-compatible PCB terminal



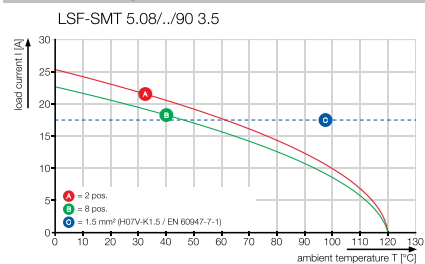
Dimensioned drawing

Ordering data

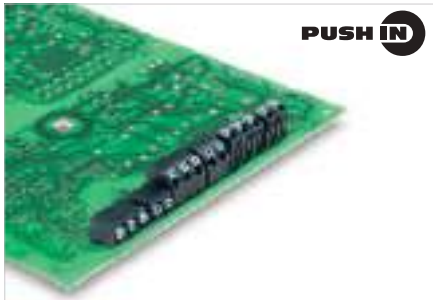
Solder pin length		1.5 mm	3.5 mm
Colour		black	black
Pitch		5.08 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	5.08	0.200	265 1876480000 1876470000
3	10.16	0.400	265 1876440000 1876420000
4	15.24	0.600	265 1878520000 1876310000
5	20.32	0.800	265 1876210000 1876190000
6	25.40	1.000	265 1876150000 1876120000
7	30.48	1.200	265 1875720000 1875690000
8	35.56	1.400	265 1875520000 1875510000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.08/./135



PCB terminal for fully automatic assembly in 5.08 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 135° version

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 500
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

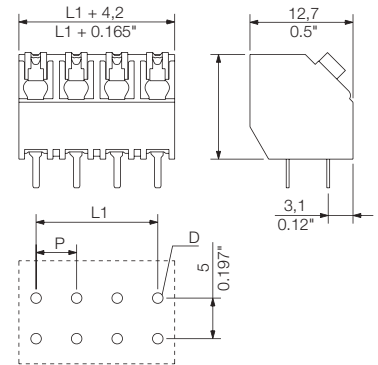
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMT 5.08/./135

Reflow-compatible PCB terminal



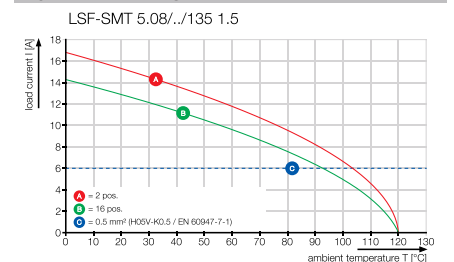
Dimensioned drawing



Ordering data

Solder pin length	1.5 mm		3.5 mm	
	black		black	
Pitch	5.08 mm			
Pol.	L1 (inch)	Qty.	Order No.	Order No.
2	5.08 0.200	59	1884730000	1885020000
3	10.16 0.400	38	1884740000	1885030000
4	15.24 0.600	28	1884750000	1885040000
5	20.32 0.800	22	1884760000	1885050000
6	25.40 1.000	18	1884770000	1885060000
7	30.48 1.200	15	1884780000	1885070000
8	35.56 1.400	13	1884790000	1885080000
9	40.64 1.600	12	1884800000	1885090000
10	45.72 1.800	11	1884810000	1885100000
11	50.80 2.000	10	1884820000	1885110000
12	55.88 2.200	9	1884830000	1885120000

Representative deratings curve



LSF-SMT 5.08/./135 Tape

Reflow-compatible PCB terminal



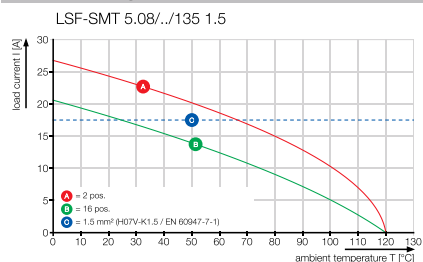
Dimensioned drawing

Ordering data

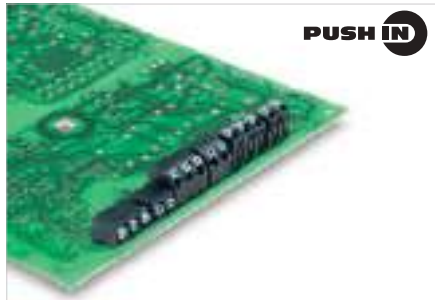
Solder pin length		1.5 mm	3.5 mm		
Colour		black	black		
Pitch		5.08 mm			
Pol.	L1 (inch)	Qty.	Order No.		
2	5.08	0.200	190	1888710000	1888780000
3	10.16	0.400	190	1888720000	1888790000
4	15.24	0.600	190	1888730000	1888810000
5	20.32	0.800	190	1888740000	1888830000
6	25.40	1.000	190	1888750000	1888840000
7	30.48	1.200	190	1888760000	1888870000
8	35.56	1.400	190	1888770000	1888880000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.08/./180



PCB terminal for fully automatic assembly in 5.08 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 500
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

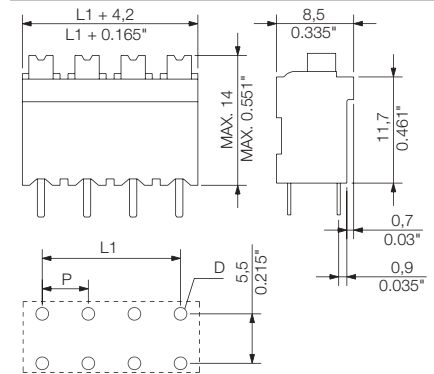
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMT 5.08/./180

Reflow-compatible PCB terminal



Dimensioned drawing



Ordering data

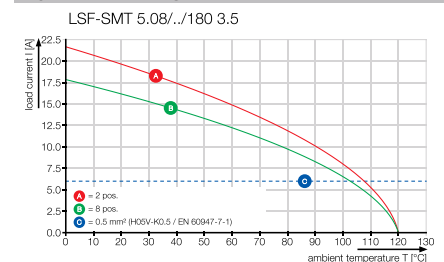
Solder pin length		1.5 mm	3.5 mm	
Colour		black	black	
Pitch 5.08 mm				
Pol.	L1 (inch)	Qty.	Order No.	Order No.
2	5.08 0.200	59	1870210000	1826040000
3	10.16 0.400	38	1870220000	1826060000
4	15.24 0.600	28	1870230000	1826070000
5	20.32 0.800	22	1870240000	1826080000
6	25.40 1.000	18	1870250000	1826100000
7	30.48 1.200	15	1870260000	1826110000
8	35.56 1.400	13	1870270000	1826120000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Representative deratings curve



LSF-SMT 5.08/./180 Tape

Reflow-compatible PCB terminal



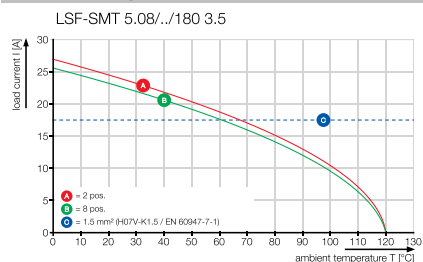
Dimensioned drawing

Ordering data

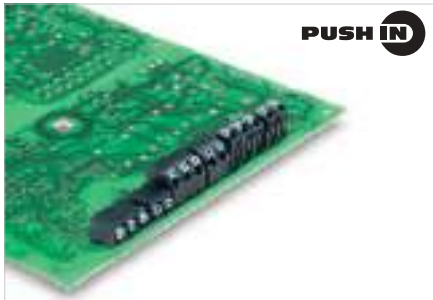
Solder pin length		1.5 mm	3.5 mm
Colour		black	black
Pitch		5.08 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	5.08 0.200	175	1876500000 1876490000
3	10.16 0.400	175	1876460000 1876450000
4	15.24 0.600	175	1876410000 1876360000
5	20.32 0.800	175	1876290000 1876250000
6	25.40 1.000	175	1876180000 1876170000
7	30.48 1.200	175	1876100000 1875750000
8	35.56 1.400	175	1875610000 1875580000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 7.50/././90



PCB terminal for fully automatic assembly in 7.50 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	500	630 800
Rated impulse voltage	kV	6	6 6
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	150 300
Rated current	A	12	10 10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	150 300
Rated current	A	10	10 10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

7.50

90°

1.5 mm²

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14




For additional articles and information, refer to catalog.weidmuller.com

Note:

- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

Accessories

Note: Refer to the Accessories chapter for additional accessories.

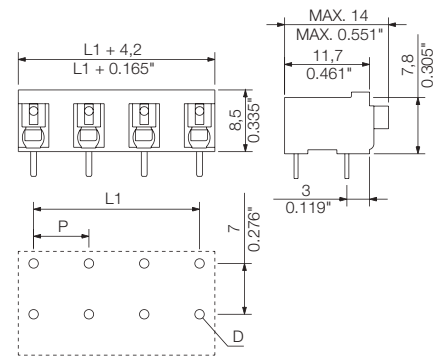
Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

LSF-SMT 7.50/././90

Reflow-compatible PCB terminal



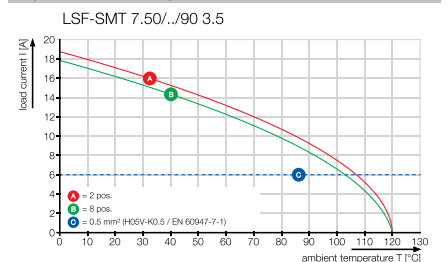
Dimensioned drawing



Ordering data

Solder pin length		1.5 mm	3.5 mm		
Colour		black	black		
Pitch 7.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.50	0.295	47	1869740000	1824880000
3	15.00	0.591	28	1869750000	1824890000
4	22.50	0.886	20	1869760000	1824900000
5	30.00	1.181	16	1869770000	1824910000
6	37.50	1.476	13	1869780000	1824920000
7	45.00	1.772	11	1869790000	1824930000
8	52.50	2.067	9	1869800000	1824940000

Representative deratings curve



LSF-SMT 7.50/./90 Tape

Reflow-compatible PCB terminal



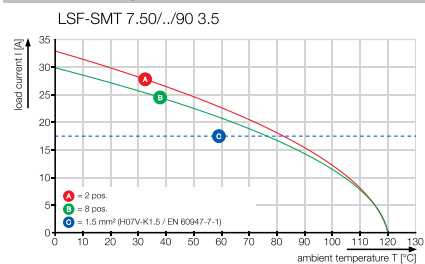
Dimensioned drawing

Ordering data

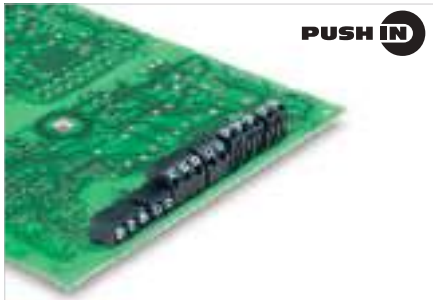
Solder pin length		1.5 mm	3.5 mm		
Colour		black	black		
Pitch		7.50 mm			
Pol.	L1 (inch)	Qty.	Order No.		
2	7.50	0.295	265	1875480000	1875470000
3	15.00	0.591	265	1875440000	1875430000
4	22.50	0.886	265	1875040000	1875020000
5	30.00	1.181	265	1874980000	1874960000
6	37.50	1.476	265	1874910000	1874880000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 7.50/././135



PCB terminal for fully automatic assembly in 7.50 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 135° version

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	500	630 800
Rated impulse voltage	kV	6	6 6
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

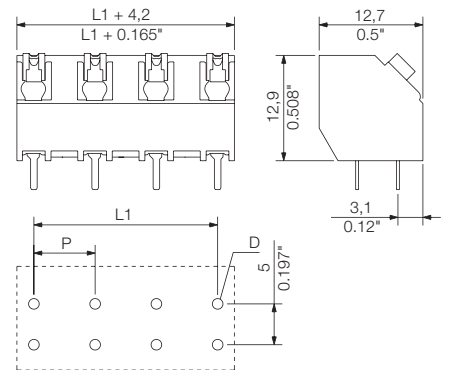
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMT 7.50/././135

Reflow-compatible PCB terminal



Dimensioned drawing



Ordering data

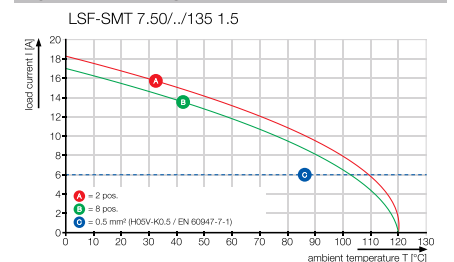
Solder pin length	1.5 mm		3.5 mm		
	black		black		
Pitch	7.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.50	0.295	47	1884880000	1886110000
3	15.00	0.591	28	1884890000	1886120000
4	22.50	0.886	20	1884900000	1886130000
5	30.00	1.181	16	1884910000	1886140000
6	37.50	1.476	13	1884920000	1886150000
7	45.00	1.772	11	1884930000	1886160000
8	52.50	2.067	9	1884940000	1886170000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Representative deratings curve



LSF-SMT 7.50/./135 Tape

Reflow-compatible PCB terminal



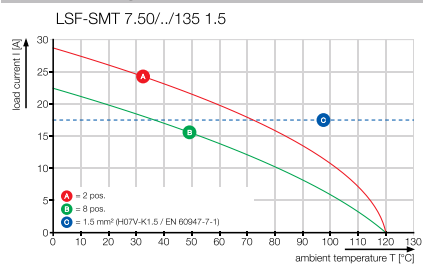
Dimensioned drawing

Ordering data

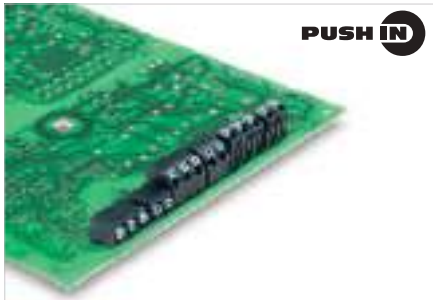
Solder pin length		1.5 mm	3.5 mm
Colour		black	black
Pitch		7.50 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	7.50 0.295	190	1888890000 1888970000
3	15.00 0.591	190	1888910000 1888990000
4	22.50 0.886	190	1888930000 1889000000
5	30.00 1.181	190	1888940000 1889020000
6	37.50 1.476	190	1888950000 1889030000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 7.50/./180



PCB terminal for fully automatic assembly in 7.50 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmuller.com

Note:

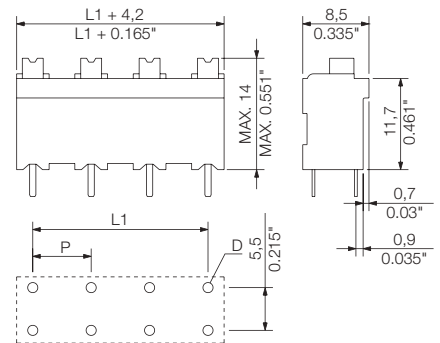
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMT 7.50/./180

Reflow-compatible PCB terminal



Dimensioned drawing




Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	500	630 800
Rated impulse voltage	kV	6	6 6
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	150 300
Rated current	A	12	10 10
AWG conductor	AWG		28-14
CSA (Use Group)		B	C D
Rated voltage	V	300	150 300
Rated current	A	10	10 10
AWG conductor	AWG		28-14
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

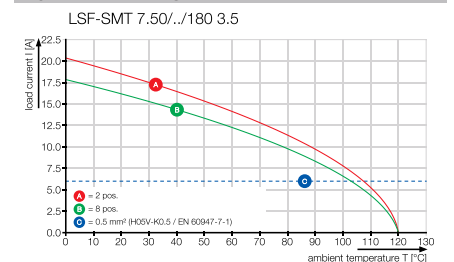
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length		1.5 mm	3.5 mm	
Colour		black	black	
Pitch 7.50 mm				
Pol.	L1 (inch)	Qty.	Order No.	Order No.
2	7.50 0.295	47	1870280000	1826130000
3	15.00 0.591	28	1870290000	1826140000
4	22.50 0.886	20	1870300000	1826150000
5	30.00 1.181	16	1870310000	1826160000
6	37.50 1.476	13	1870320000	1826170000
7	45.00 1.772	11	1870330000	1826180000
8	52.50 2.067	9	1870340000	1826190000

Representative deratings curve



LSF-SMT 7.50/./180 Tape

Reflow-compatible PCB terminal



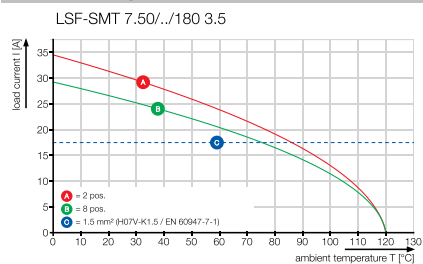
Dimensioned drawing

Ordering data

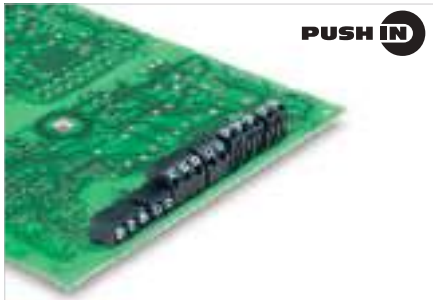
Solder pin length		1.5 mm	3.5 mm		
Colour		black	black		
Pitch		7.50 mm			
Pol.	L1 (inch)	Qty.	Order No.		
2	7.50	0.295	175	1875500000	1875490000
3	15.00	0.591	175	1875460000	1875450000
4	22.50	0.886	175	1875090000	1875060000
5	30.00	1.181	175	1875010000	1875000000
6	37.50	1.476	175	1874950000	1874920000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 7.62/././90



PCB terminal for fully automatic assembly in 7.62 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	500	630 800
Rated impulse voltage	kV	6	6 6
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	150 300
Rated current	A	12	10 10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	150 300
Rated current	A	10	10 10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

7.62

90°

1.5 mm²

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14




For additional articles and information, refer to catalog.weidmueller.com

Note:

- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

Accessories

Note: Refer to the Accessories chapter for additional accessories.

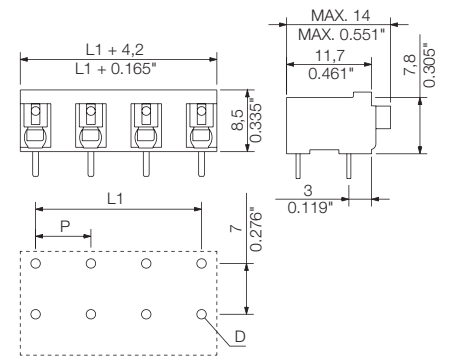
Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

LSF-SMT 7.62/././90

Reflow-compatible PCB terminal



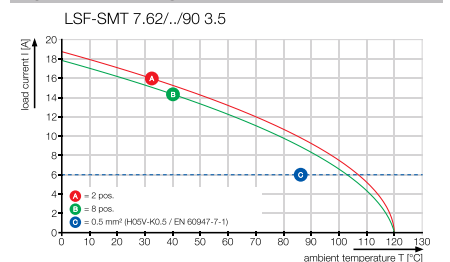
Dimensioned drawing



Ordering data

Solder pin length	1.5 mm		3.5 mm		
	black		black		
Pitch	7.62 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.62	0.300	46	1869260000	1824950000
3	15.24	0.600	28	1869270000	1824960000
4	22.86	0.900	20	1869280000	1824970000
5	30.48	1.200	15	1869290000	1824980000
6	38.10	1.500	13	1869300000	1824990000
7	45.72	1.800	11	1869310000	1825000000
8	53.34	2.100	9	1869320000	1825010000

Representative deratings curve



LSF-SMT 7.62/./90 Tape

Reflow-compatible PCB terminal



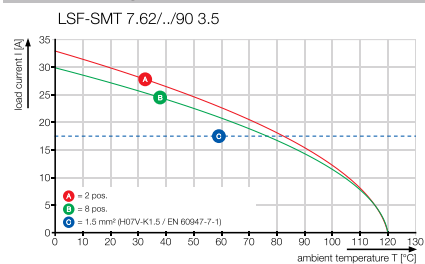
Dimensioned drawing

Ordering data

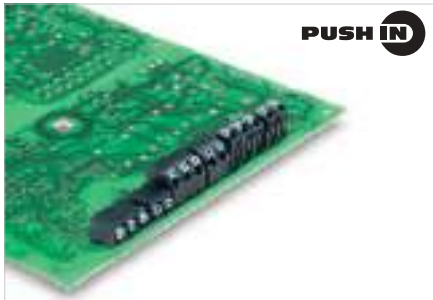
Solder pin length		1.5 mm	3.5 mm		
Colour		black	black		
Pitch		7.62 mm			
Pol.	L1 (inch)	Qty.	Order No.		
2	7.62	0.300	265	1874700000	1874670000
3	15.24	0.600	265	1874570000	1874550000
4	22.86	0.900	265	1874480000	1874470000
5	30.48	1.200	265	1874430000	1874410000
6	38.10	1.500	265	1874330000	1874290000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 7.62/././135



PCB terminal for fully automatic assembly in 7.62 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 135° version

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	
According to norm		
Tightening torque range		
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C	40°C
For conductor cross-section		
Overtoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	500 630 800
Rated impulse voltage	kV	6 6 6
UL / CUL (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	12 10
AWG conductor	AWG	28-14
CSA (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-14
General data		
Type of insulation material		LCP GF
UL 94 flammability rating		V-0
Contact base material		Copper alloy
Material of contact surface		
Pin dimensions = d	mm	0.35 x 0.8
Solder eyelet Ø = D	mm	1.1
Solder eyelet Ø tolerance	mm	+ 0,1

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

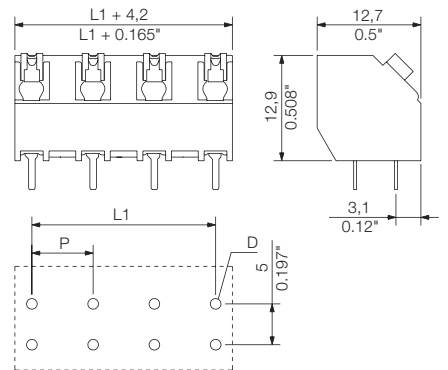
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMT 7.62/././135

Reflow-compatible PCB terminal



Dimensioned drawing



Ordering data

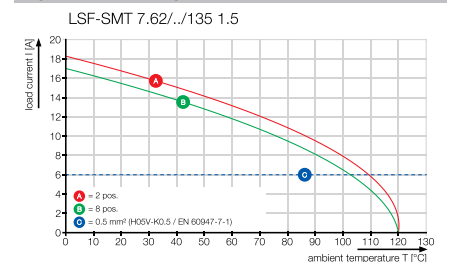
Solder pin length		1.5 mm	3.5 mm	
Colour		black	black	
Pitch 7.62 mm				
Pol.	L1 (inch)	Qty.	Order No.	Order No.
2	7.62 0.300	46	1884950000	1886180000
3	15.24 0.600	28	1884960000	1886190000
4	22.86 0.900	20	1884970000	1886200000
5	30.48 1.200	15	1884980000	1886210000
6	38.10 1.500	13	1884990000	1886220000
7	45.72 1.800	11	1885000000	1886230000
8	53.34 2.100	9	1885010000	1886240000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Representative deratings curve



LSF-SMT 7.62/./135 Tape

Reflow-compatible PCB terminal



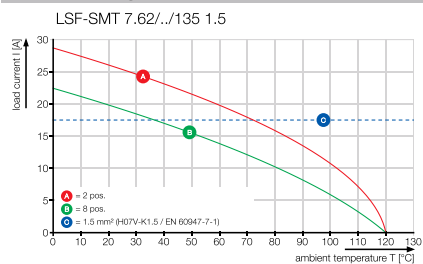
Dimensioned drawing

Ordering data

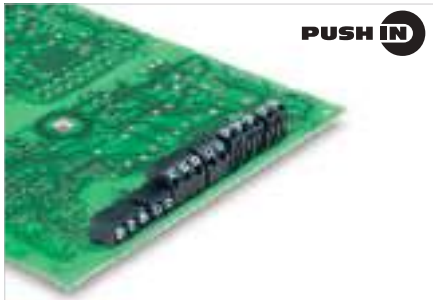
Solder pin length		1.5 mm	3.5 mm		
Colour		black	black		
Pitch		7.62 mm			
Pol.	L1 (inch)	Qty.	Order No.		
2	7.62	0.300	190	1887110000	1887160000
3	15.24	0.600	190	1887120000	1887170000
4	22.86	0.900	190	1887130000	1887180000
5	30.48	1.200	190	1887140000	1887190000
6	38.10	1.500	190	1887150000	1887200000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 7.62/./180



PCB terminal for fully automatic assembly in 7.62 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire cross-sections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmuller.com

Note:

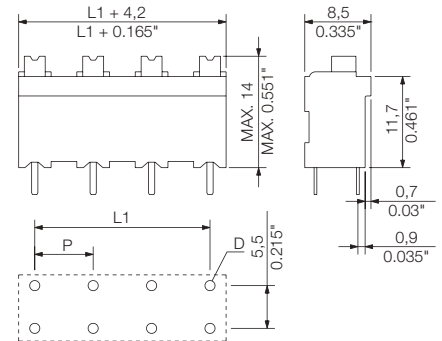
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMT 7.62/./180

Reflow-compatible PCB terminal



Dimensioned drawing




Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	500	630 800
Rated impulse voltage	kV	6	6 6
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	150 300
Rated current	A	12	10 10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	150 300
Rated current	A	10	10 10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

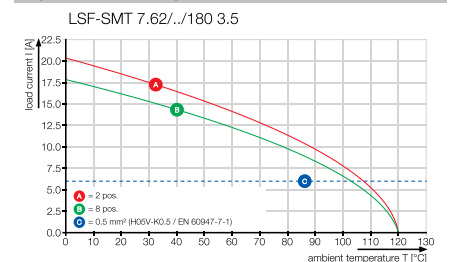
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length		1.5 mm	3.5 mm
Colour		black	black
Pitch 7.62 mm			
Pol.	L1 (inch)	Qty.	Order No.
2	7.62 0.300	46	1869810000 1826210000
3	15.24 0.600	28	1869830000 1826220000
4	22.86 0.900	20	1869840000 1826230000
5	30.48 1.200	15	1869850000 1826240000
6	38.10 1.500	13	1869860000 1826250000
7	45.72 1.800	11	1869870000 1826260000
8	53.34 2.100	9	1869880000 1826270000

Representative deratings curve



LSF-SMT 7.62/./180 Tape

Reflow-compatible PCB terminal



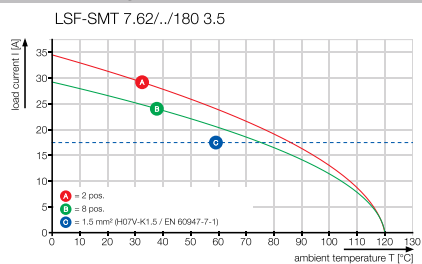
Dimensioned drawing

Ordering data

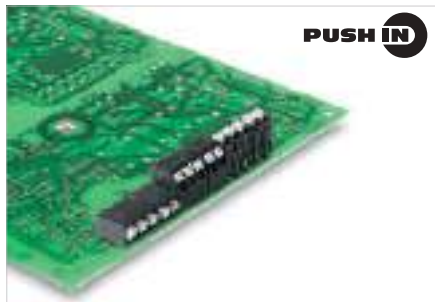
Solder pin length		1.5 mm	3.5 mm		
Colour		black	black		
Pitch		7.62 mm			
Pol.	L1 (inch)	Qty.	Order No.		
2	7.62	0.300	175	1874870000	1874750000
3	15.24	0.600	175	1874650000	1874630000
4	22.86	0.900	175	1874530000	1874500000
5	30.48	1.200	175	1874450000	1874460000
6	38.10	1.500	175	1874390000	1874360000

Belt widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMD 3.50



PCB terminal for fully automatic assembly using reflow soldering (SMD), with PUSH IN wire connections. Conductor insertion and slider operation from the same direction (TOP).

- Solid & flexible conductors with wire-end ferrules need only to be inserted and they are ready.
- When connecting stranded wires without wire-end ferrules the actuating element is used to open the terminal point
- Intuitive handling – since the wire-entry area and handling area are clearly separated.
- Packaged in tape-on-reel
- Conductor outlet direction 180°

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature	20°C	40°C	
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	28-14	
CSA (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

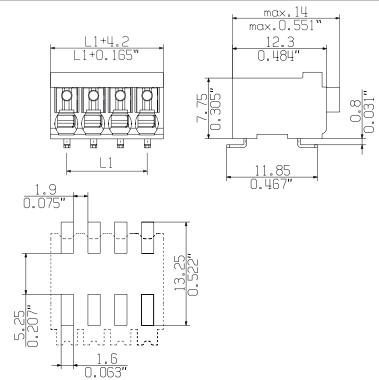
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMD 3.50/.90 Tape

Reflow-compatible circuit board terminal



Dimensioned drawing




Ordering data

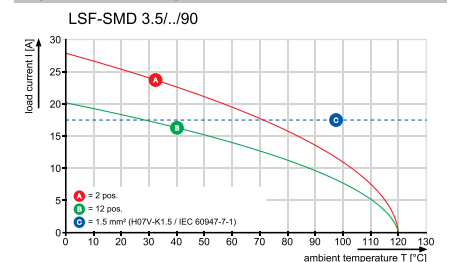
Solder pin length				
Colour	black			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	320	1412410000
3	7.00	0.276	320	1412420000
4	10.50	0.414	320	1473510000
5	14.00	0.552	320	1473520000
6	17.50	0.690	320	1473530000
7	21.00	0.828	320	1473540000
8	24.50	0.966	320	1473550000
9	28.00	1.104	320	1473570000
10	31.50	1.242	320	1473590000
11	35.00	1.380	320	1473620000
12	38.50	1.518	320	1473650000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Representative deratings curve

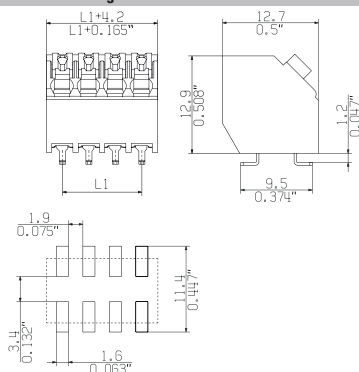


LSF-SMD 3.50../135 Tape

Reflow-compatible circuit board terminal



Dimensioned drawing



Ordering data

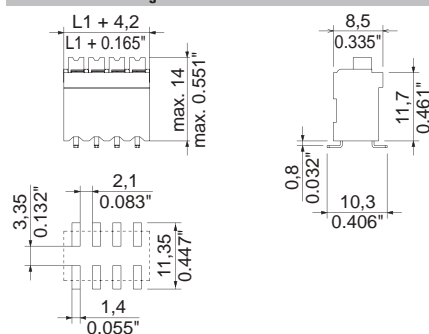
Solder pin length					
Colour					black
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	3.50	0.138	210	1473310000	
3	7.00	0.276	210	1473320000	
4	10.50	0.414	210	1473330000	
5	14.00	0.552	210	1473340000	
6	17.50	0.690	210	1473350000	
7	21.00	0.828	210	1473370000	
8	24.50	0.966	210	1473380000	
9	28.00	1.104	210	1473390000	
10	31.50	1.242	210	1473410000	
11	35.00	1.380	210	1473420000	
12	38.50	1.518	210	1473430000	

LSF-SMD 3.50/180 Tape

Reflow-compatible PCB terminal



Dimensioned drawing

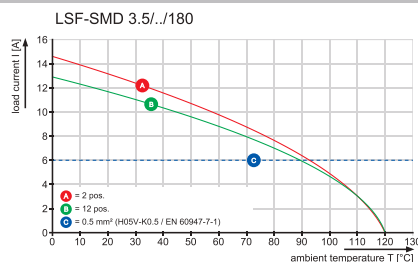
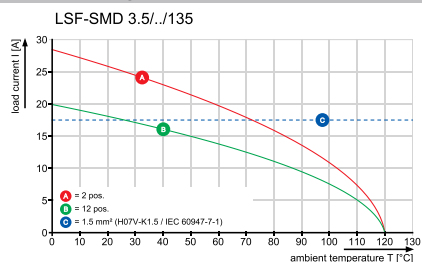


Ordering data

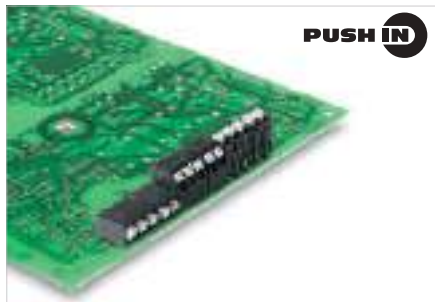
Solder pin length					
Colour					black
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	3.50	0.138	235	1250360000	
3	7.00	0.276	180	1250370000	
4	10.50	0.414	180	1250380000	
5	14.00	0.552	180	1250390000	
6	17.50	0.690	180	1250410000	
7	21.00	0.828	180	1250420000	
8	24.50	0.966	180	1250430000	
9	28.00	1.104	180	1250440000	
10	31.50	1.242	180	1250450000	
11	35.00	1.380	180	1250460000	
12	38.50	1.518	180	1250470000	

G

Additional deratings curves



LSF-SMD 5.00



PCB terminal for fully automatic assembly using reflow soldering (SMD), with PUSH IN wire connections. Conductor insertion and slider operation from the same direction (TOP).

- Solid & flexible conductors with wire-end ferrules need only to be inserted and they are ready.
- When connecting stranded wires without wire-end ferrules the actuating element is used to open the terminal point
- Intuitive handling – since the wire-entry area and handling area are clearly separated.
- Packaged in tape-on-reel
- Conductor outlet direction 180°

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 500
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

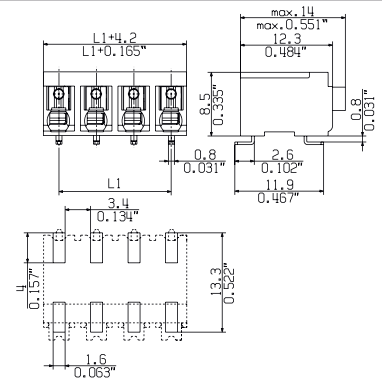
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMD 5.00/.90 Tape

Reflow-compatible circuit board terminal



Dimensioned drawing




Ordering data

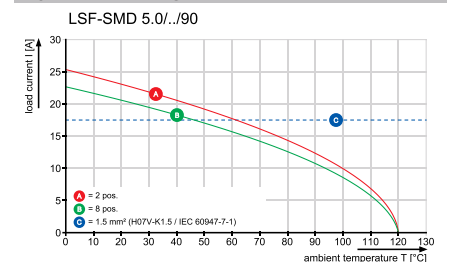
Solder pin length				
Colour	black			
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	320	1473770000
3	10.00	0.394	320	1473780000
4	15.00	0.591	320	1473790000
5	20.00	0.787	320	1473800000
6	25.00	0.984	320	1473810000
7	30.00	1.181	320	1473820000
8	35.00	1.378	320	1473830000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Representative deratings curve

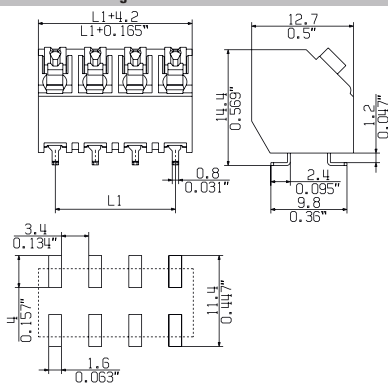


LSF-SMD 5.00../135 Tape

Reflow-compatible circuit board terminal



Dimensioned drawing



Ordering data

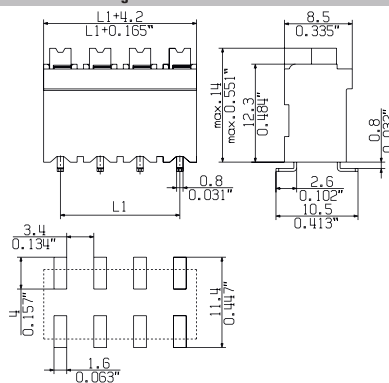
Solder pin length					
Colour					black
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	210	1473690000	
3	10.00	0.394	210	1473700000	
4	15.00	0.591	210	1473710000	
5	20.00	0.787	210	1473720000	
6	25.00	0.984	210	1473740000	
7	30.00	1.181	210	1473750000	
8	35.00	1.378	210	1473760000	

LSF-SMD 5.00../180 Tape

Reflow-compatible circuit board terminal



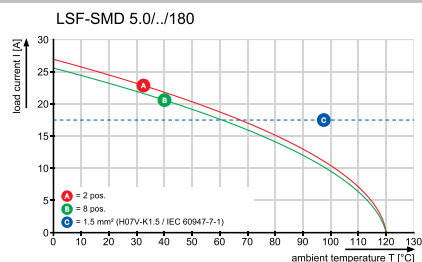
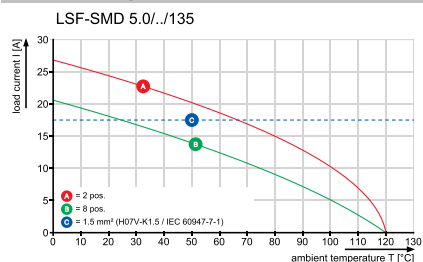
Dimensioned drawing



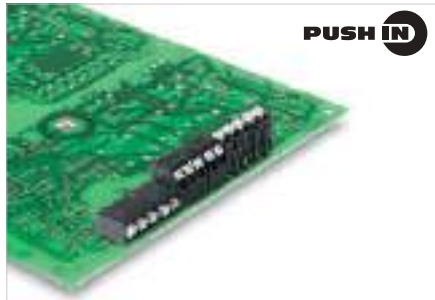
Ordering data

Solder pin length					
Colour					black
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	235	1473560000	
3	10.00	0.394	180	1473580000	
4	15.00	0.591	180	1473610000	
5	20.00	0.787	180	1473640000	
6	25.00	0.984	180	1473660000	
7	30.00	1.181	180	1473670000	
8	35.00	1.378	180	1473680000	

Additional deratings curves



LSF-SMD 7.50



PCB terminal for fully automatic assembly using reflow soldering (SMD), with PUSH IN wire connections. Conductor insertion and slider operation from the same direction (TOP).

- Solid & flexible conductors with wire-end ferrules need only to be inserted and they are ready.
- When connecting stranded wires without wire-end ferrules the actuating element is used to open the terminal point
- Intuitive handling - since the wire-entry area and handling area are clearly separated.
- Packaged in tape-on-reel
- Conductor outlet direction 180°

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature	20°C	40°C	
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	500	630 800
Rated impulse voltage	kV	6	6 6
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	150 300
Rated current	A	12	10 10
AWG conductor	AWG	28-14	
CSA (Use Group)	B C D		
Rated voltage	V	300	150 300
Rated current	A	10	10 10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

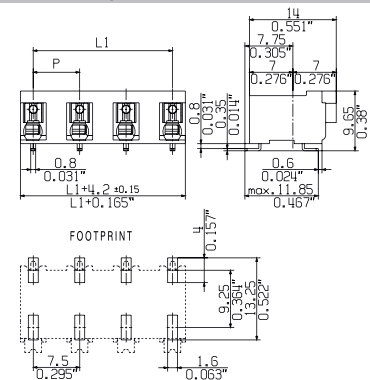
- Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LSF-SMD 7.50/./90 Tape

Reflow-compatible circuit board terminal



Dimensioned drawing



Ordering data

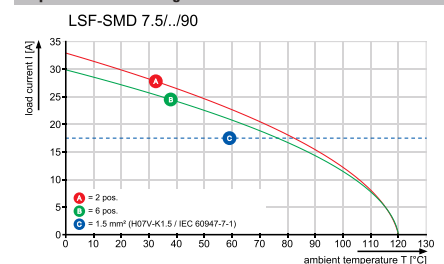
Solder pin length				
Colour	black			
Pitch	7.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	320	1473940000
3	15.00	0.590	320	1473950000
4	22.50	0.885	320	1473960000
5	30.00	1.180	320	1473970000
6	37.50	1.475	320	1473980000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Representative deratings curve

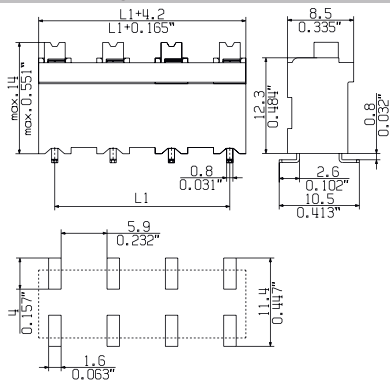


LSF-SMD 7.50../135 Tape

Reflow-compatible circuit board terminal



Dimensioned drawing



Ordering data

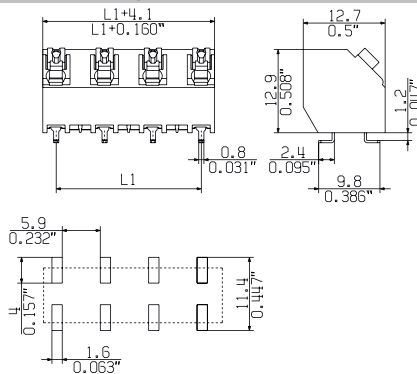
Solder pin length					
Colour					black
Pitch 7.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	7.50	0.295	210	1473890000	
3	15.00	0.590	210	1473900000	
4	22.50	0.885	210	1473910000	
5	30.00	1.180	210	1473920000	
6	37.50	1.475	210	1473930000	

LSF-SMD 7.50../180 Tape

Reflow-compatible circuit board terminal



Dimensioned drawing

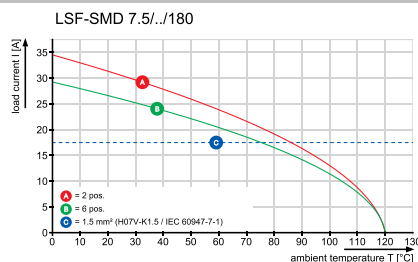
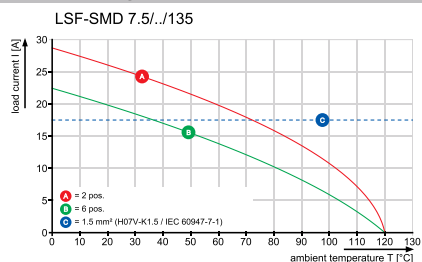


Ordering data

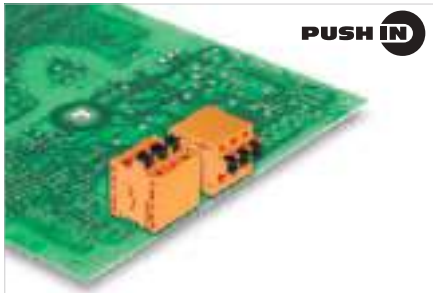
Solder pin length					
Colour					black
Pitch 7.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	7.50	0.295	180	1473840000	
3	15.00	0.590	180	1473850000	
4	22.50	0.885	180	1473860000	
5	30.00	1.180	180	1473870000	
6	37.50	1.475	180	1473880000	

G

Additional deratings curves



LMF & LMFS 5.00



With the new LMF, we are meeting current market requirements for a PCB terminal with a PUSH IN connection system for wire cross-sections up to 2.5 mm².

- PUSH IN connection system
- Pusher for opening the contact point
- Integrated test point
- 90° or 180° wire outlet direction

Product data

IEC: 400 V / 24 A / 0.5 - 2.5 mm²
 UL: 300 V / 20 A / AWG 24 - 12



For additional articles and information, refer to catalog.weidmueller.com

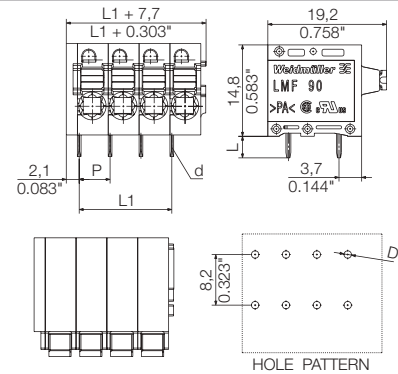
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LMF 5.00/./90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.12...2.5	
Solid core H05(07) V-U	mm ²	0.5...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.25...2.5	
Flexible with ferrule	mm ²	0.25...2.5	
Ferrule with plastic collar	mm ²	0.25...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range			
Rated current, max.	A	24	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	24-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	24-12	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8, 0.6 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

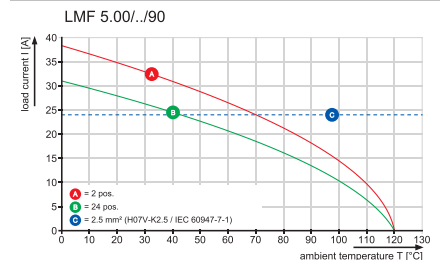
Note: Refer to the Accessories chapter for additional accessories.

Test plug		Order No.
	PS 2.0 MC	0310000000
Screwdriver		
	SDS 0.6X3.5X100	2749340000

Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	130	1331700000
3	10.00	0.394	90	1331710000
4	15.00	0.591	70	1331720000
5	20.00	0.787	55	1331730000
6	25.00	0.984	45	1331740000
7	30.00	1.181	40	1331750000
8	35.00	1.378	35	1331770000
9	40.00	1.575	30	1331780000
10	45.00	1.772	25	1331790000
11	50.00	1.969	25	1331800000
12	55.00	2.166	25	1331810000

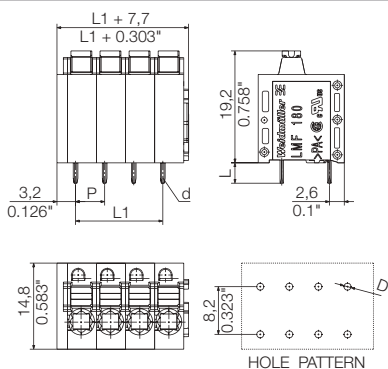
Representative deratings curve



LMF 5.00../180



Dimensioned drawing



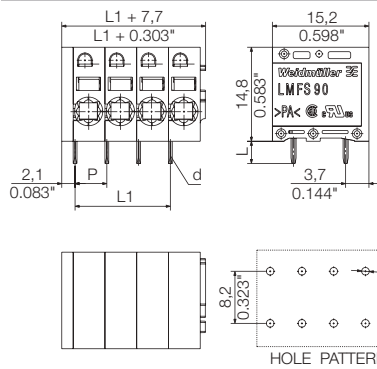
Ordering data

Solder pin length		3.5 mm	
Colour		orange	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	130 1330180000
3	10.00	0.394	90 1330190000
4	15.00	0.591	70 1330200000
5	20.00	0.787	55 1330210000
6	25.00	0.984	45 1330220000
7	30.00	1.181	40 1330230000
8	35.00	1.378	35 1330240000
9	40.00	1.575	30 1330250000
10	45.00	1.772	30 1330270000
11	50.00	1.969	25 1330280000
12	55.00	2.166	25 1330290000

LMFS 5.00../90



Dimensioned drawing



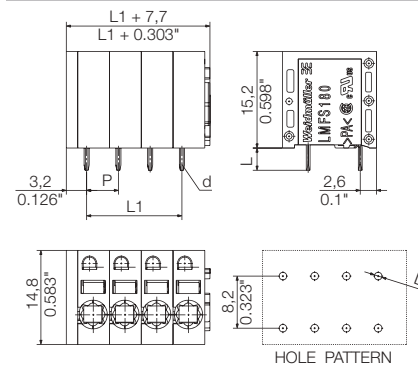
Ordering data

Solder pin length		3.5 mm	
Colour		orange	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	130 1331960000
3	10.00	0.394	90 1331970000
4	15.00	0.591	70 1331980000
5	20.00	0.787	55 1331990000
6	25.00	0.984	45 1332010000
7	30.00	1.181	40 1332020000
8	35.00	1.378	35 1332030000
9	40.00	1.575	30 1332040000
10	45.00	1.772	25 1332050000
11	50.00	1.969	25 1332060000
12	55.00	2.166	25 1332070000

LMFS 5.00../180



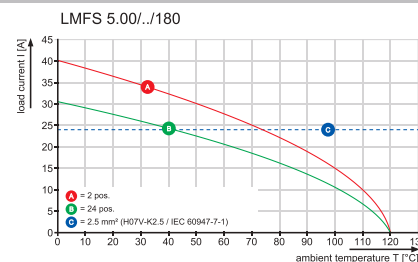
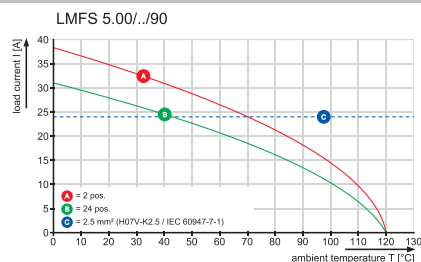
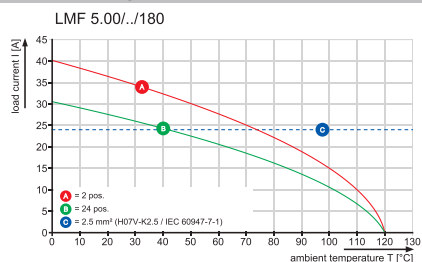
Dimensioned drawing



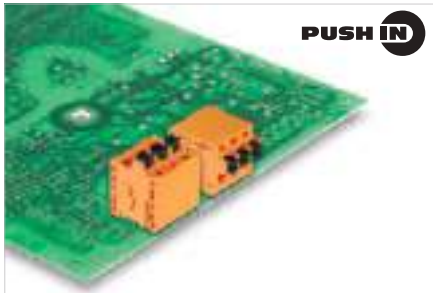
Ordering data

Solder pin length		3.5 mm	
Colour		orange	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	130 1330430000
3	10.00	0.394	90 1330440000
4	15.00	0.591	70 1330450000
5	20.00	0.787	55 1330470000
6	25.00	0.984	45 1330490000
7	30.00	1.181	40 1330500000
8	35.00	1.378	35 1330510000
9	40.00	1.575	30 1330520000
10	45.00	1.772	30 1330530000
11	50.00	1.969	25 1330540000
12	55.00	2.166	25 1330550000

Additional deratings curves



LMF & LMFS 5.08



With the new LMF, we are meeting current market requirements for a PCB terminal with a PUSH IN connection system for wire cross-sections up to 2.5 mm².

- PUSH IN connection system
- Pusher for opening the contact point
- Integrated test point
- 90° or 180° wire outlet direction

Product data

IEC: 400 V / 24 A / 0.5 - 2.5 mm²
 UL: 300 V / 20 A / AWG 24 - 12



For additional articles and information, refer to catalog.weidmueller.com

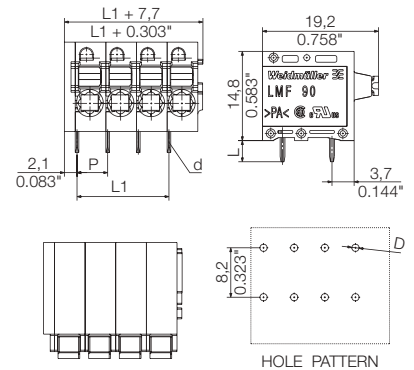
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LMF 5.08/./90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.12...2.5	
Solid core H05(07) V-U	mm ²	0.5...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.25...2.5	
Flexible with ferrule	mm ²	0.25...2.5	
Ferrule with plastic collar	mm ²	0.25...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range			
Rated current, max.	A	24	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	24-12	
CSA (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	24-12	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8, 0.6 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

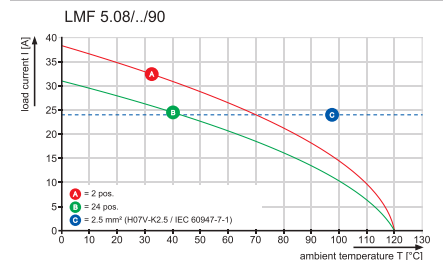
Note: Refer to the Accessories chapter for additional accessories.

Test plug		Order No.
	PS 2.0 MC	0310000000
Screwdriver		
	SDS 0.6X3.5X100	2749340000

Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	125	1330710000
3	10.16	0.400	90	1330720000
4	15.24	0.600	70	1330730000
5	20.32	0.800	55	1330740000
6	25.40	1.000	45	1330750000
7	30.48	1.200	40	1330770000
8	35.56	1.400	35	1330780000
9	40.64	1.600	30	1330790000
10	45.72	1.800	25	1330800000
11	50.80	2.000	25	1330810000
12	55.88	2.200	20	1330820000

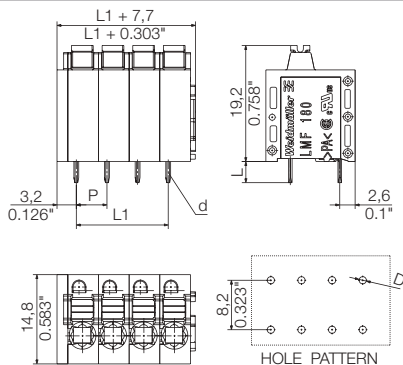
Representative deratings curve



LMF 5.08../180



Dimensioned drawing



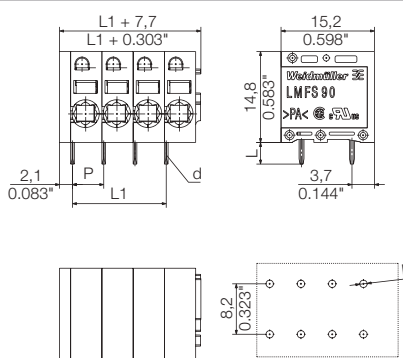
Ordering data

Solder pin length		3.5 mm	
Colour		orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	130 1331080000
3	10.16	0.400	90 1331100000
4	15.24	0.600	70 1331120000
5	20.32	0.800	55 1331140000
6	25.40	1.000	45 1331160000
7	30.48	1.200	40 1331180000
8	35.56	1.400	35 1331200000
9	40.64	1.600	30 1331220000
10	45.72	1.800	25 1331240000
11	50.80	2.000	25 1331260000
12	55.88	2.200	20 1331280000

LMFS 5.08../90



Dimensioned drawing



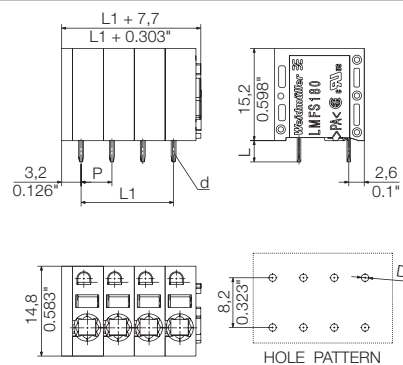
Ordering data

Solder pin length		3.5 mm	
Colour		orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	130 1330960000
3	10.16	0.400	90 1330970000
4	15.24	0.600	70 1330980000
5	20.32	0.800	55 1330990000
6	25.40	1.000	45 1331000000
7	30.48	1.200	40 1331010000
8	35.56	1.400	35 1331020000
9	40.64	1.600	30 1331030000
10	45.72	1.800	25 1331040000
11	50.80	2.000	25 1331050000
12	55.88	2.200	20 1331060000

LMFS 5.08../180



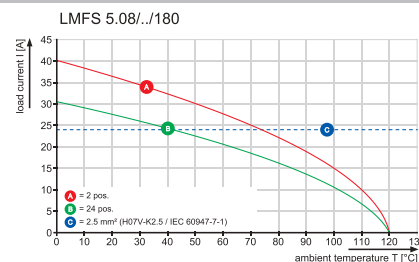
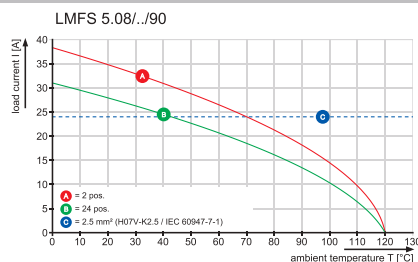
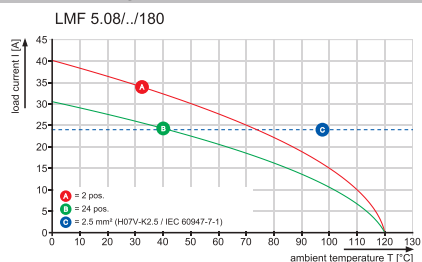
Dimensioned drawing



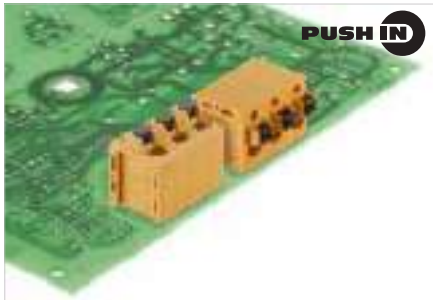
Ordering data

Solder pin length		3.5 mm	
Colour		orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	130 1331430000
3	10.16	0.400	90 1331440000
4	15.24	0.600	70 1331450000
5	20.32	0.800	55 1331470000
6	25.40	1.000	45 1331480000
7	30.48	1.200	40 1331490000
8	35.56	1.400	35 1331500000
9	40.64	1.600	30 1331510000
10	45.72	1.800	25 1331520000
11	50.80	2.000	25 1331530000
12	55.88	2.200	20 1331540000

Additional deratings curves



LMF & LMFS 7.50



PUSH IN

With the new LMF, we are meeting current market requirements for a PCB terminal with a PUSH IN connection system for wire cross-sections up to 2.5 mm².

- PUSH IN connection system
- Pusher for opening the contact point
- Integrated test point
- 90° or 180° wire outlet direction

Product data

IEC: 1000 V / 24 A / 0.5 - 2.5 mm²
 UL: 300 V / 20 A / AWG 24 - 12



For additional articles and information, refer to catalog.weidmueller.com

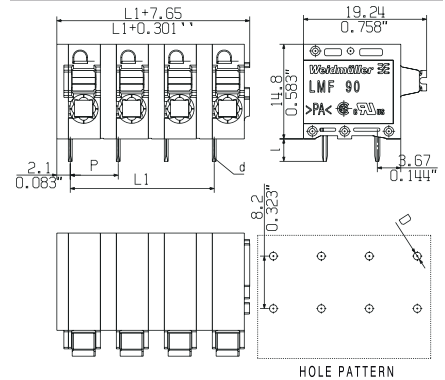
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LMF 7.50/./90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.12...2.5	
Solid core H05(07) V-U	mm ²	0.5...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.25...2.5	
Flexible with ferrule	mm ²	0.25...2.5	
Ferrule with plastic collar	mm ²	0.25...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range			
Rated current, max.	A	24	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	500	600 1000
Rated impulse voltage	kV	6	6 6
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	24-12	
CSA (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	24-12	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

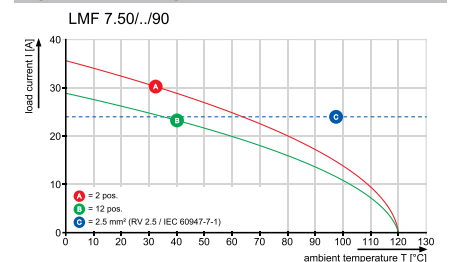
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length	3.5 mm			
Colour	orange			
Pitch	7.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.50		100	2667910000
3	15.00		65	2667920000
4	22.50		50	2667830000
5	30.00		40	2667840000
6	37.50		30	2667850000
7	45.00		25	2667860000
8	52.50		25	2667870000
9	60.00		20	2667880000
10	67.50		20	2667930000
11	75.00		15	2668140000
12	82.50		15	2668150000

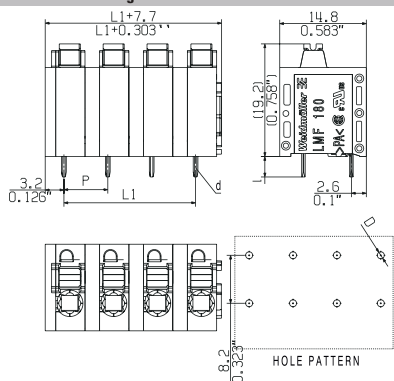
Representative deratings curve



LMF 7.50../180



Dimensioned drawing



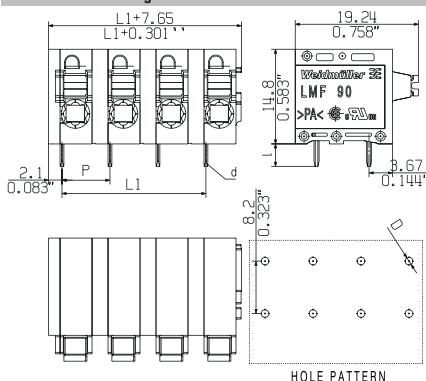
Ordering data

Solder pin length		3.5 mm	
Colour		orange	
Pitch		7.50 mm	
Pol.	L1	(inch)	Qty. Order No.
2	100		2774540000
3	65		2774550000
4	50		2774560000
5	40		2774570000
6	30		2774580000
7	25		2774590000
8	25		2774600000
9	20		2774610000
10	20		2774620000
11	15		2774630000
12	15		2774640000

LMFS 7.50../90



Dimensioned drawing



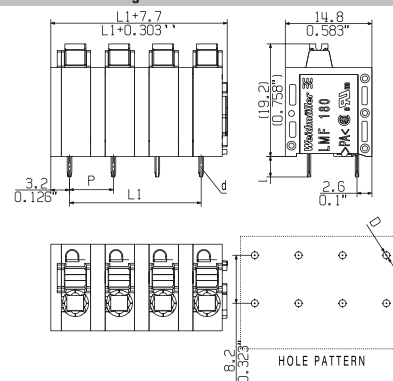
Ordering data

Solder pin length		3.5 mm	
Colour		orange	
Pitch		7.50 mm	
Pol.	L1	(inch)	Qty. Order No.
2	100		2667420000
3	65		2667430000
4	50		2667440000
5	40		2667450000
6	30		2667460000
7	25		2667470000
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11	15		2667510000
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LMFS 7.50../180



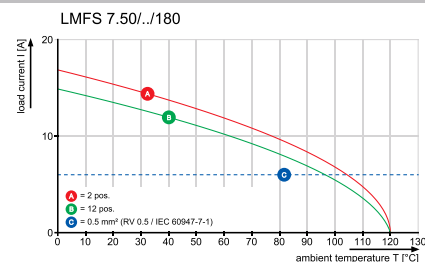
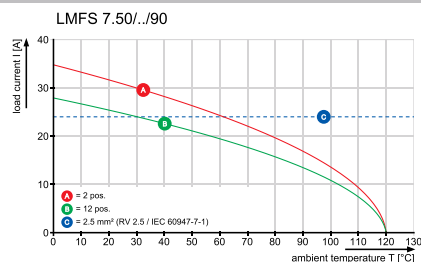
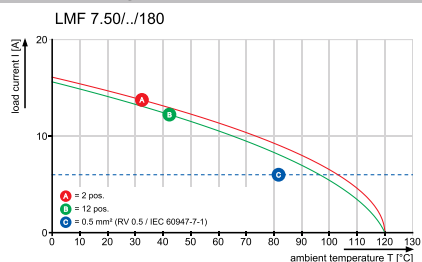
Dimensioned drawing



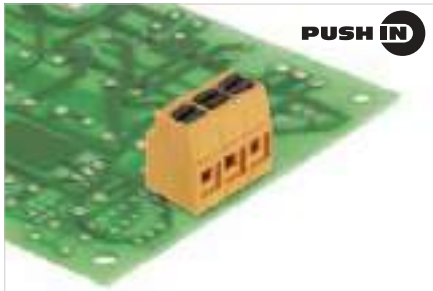
Ordering data

Solder pin length		3.5 mm	
Colour		orange	
Pitch		7.50 mm	
Pol.	L1	(inch)	Qty. Order No.
2	100		2774760000
3	65		2774770000
4	50		2774780000
5	40		2774790000
6	30		2774800000
7	25		2774810000
8	25		2774820000
9	20		2774830000
10	20		2774840000
11	15		2774850000
12	15		2774860000

Additional deratings curves



LMFV 5.00



PUSH IN

With the new LMF, we are meeting current market requirements for a PCB terminal with a PUSH IN connection system for wire cross-sections up to 2.5 mm².

- PUSH IN connection system
- Pusher for opening the contact point
- Integrated test point
- 90° or 180° wire outlet direction

Product data

IEC: 630 V / 24 A / 0.2 - 2.5 mm²
 UL: 300 V / 15 A / AWG 24 - 14



For additional articles and information, refer to catalog.weidmueller.com

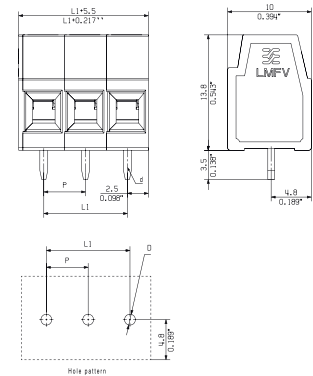
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LMFV 5.00/././90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.2...2.5	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	8	
Screwdriver blade	mm	0.6 x 3.5	
According to norm			
Tightening torque range			
Rated current, max.	A	24	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	350 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	24-14	
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG	-	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.95 x 0.8	
Solder eyelet Ø = D			
Solder eyelet Ø tolerance	mm		

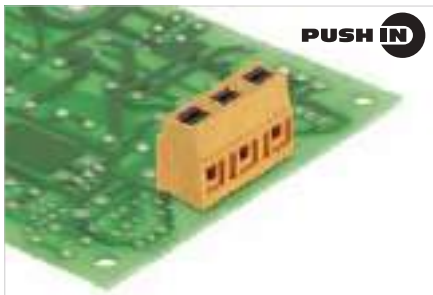
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.200	360	2786530000
3	10.00	0.390	240	2786540000
4	15.00	0.590	192	2786550000
5	20.00	0.790	152	2786560000
6	25.00	0.980	128	2786570000
7	30.00	1.180	108	2786580000
8	35.00	1.380	96	2786590000
9	40.00	1.570	82	2786600000
10	45.00	1.770	76	2786620000
11	50.00	1.970	68	2786630000
12	55.00	2.170	64	2786640000
16	75.00	2.950	48	2786690000

LMFV 7.50



With the new LMF, we are meeting current market requirements for a PCB terminal with a PUSH IN connection system for wire cross-sections up to 2.5 mm².

- PUSH IN connection system
- Pusher for opening the contact point
- Integrated test point
- 90° or 180° wire outlet direction

Product data

IEC: 630 V / 24 A / 0.2 - 2.5 mm²
 UL: 300 V / 15 A / AWG 24 - 14



For additional articles and information, refer to catalog.weidmuller.com

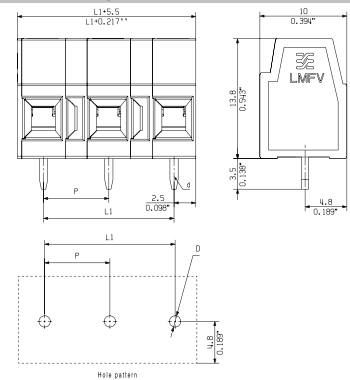
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LMFV 7.50/./90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.2...2.5	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	8	
Screwdriver blade	mm	0.6 x 3.5	
According to norm			
Tightening torque range			
Rated current, max.	A	24	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	350 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	24-14	
CSA (Use Group)		B	C D
Rated voltage	V		
Rated current	A		
AWG conductor	AWG	-	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.95 x 0.8	
Solder eyelet Ø = D			
Solder eyelet Ø tolerance	mm		

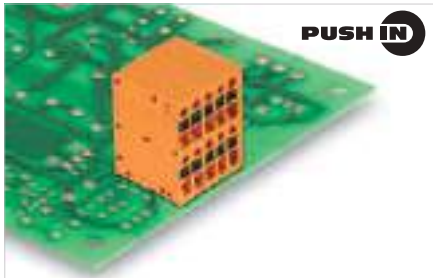
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		7.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.300	288	2787570000
3	15.00	0.590	192	2787580000
4	22.50	0.890	136	2787590000
5	30.00	1.180	108	2787600000
6	37.50	1.480	84	2787610000
7	45.00	1.770	76	2787620000
8	52.50	2.070	64	2787630000
9	60.00	2.360	54	2787640000
10	67.50	2.660	50	2787650000
11	75.00	2.950	48	2787660000
12	82.50	3.250	38	2787670000

LS2HF/90



PUSH IN

Double-level PCB terminal for wave soldering, with PUSH IN wire connection system. Wire connection and slider operation from the same direction (TOP).

- Solid and stranded wires with wire-end ferrules need only to be inserted and they are ready
- When connecting stranded wires without wire-end ferrules, the actuating element is used to open the contact point
- Intuitive handling thanks to the clear distinction between conductor entry and actuating element
- Packaged in box
- Wire outlet direction: 90° version

Product data

IEC: 400 V / 17.5 A / 0.2 - 1.5 mm²
 UL: 150 V / 12.5 A / AWG 26 - 16



For additional articles and information, refer to catalog.weidmuller.com

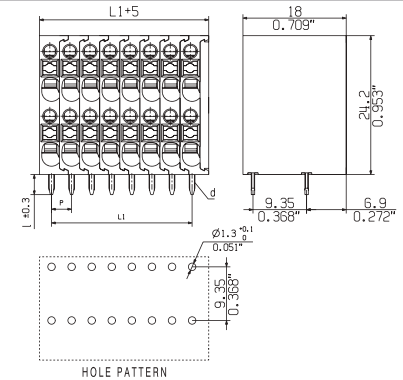
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LS2HF 3.50/./90



Dimensioned drawing




Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.2...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.2...0.75	
Stripping length	mm	8	
Screwdriver blade	mm	0.4 x 2.5	
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	200 400
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)	B C D		
Rated voltage	V	150	150
Rated current	A	12.5	12.5
AWG conductor	AWG	26-16	
CSA (Use Group)	B C D		
Rated voltage	V	150	150
Rated current	A	12.5	12.5
AWG conductor	AWG	26-16	
General data			
Type of insulation material		PA 66/6	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm	1.0 x 0.6	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

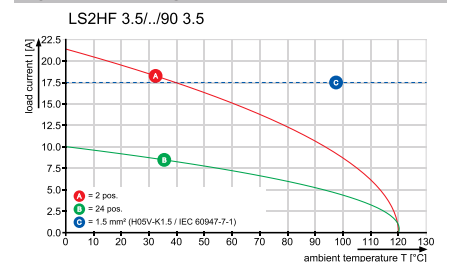
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.4X2.5X75	2749790000
	SDS 0.4X2.5X75	2749320000

Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	100	2000940000
6	7.00	0.276	100	2000950000
8	10.50	0.413	100	2000960000
10	14.00	0.551	100	2000970000
12	17.50	0.689	50	2000980000
14	21.00	0.827	50	2000990000
16	24.50	0.965	50	2001000000
18	28.00	1.102	50	2001010000
20	31.50	1.240	50	2001020000
22	35.00	1.378	20	2001030000
24	38.50	1.516	20	2001040000

Representative deratings curve



LMZF & LMZF 5/..../135



The compact installation terminal with tension clamp spring connection in 5.0x-mm pitch for wire cross-sections up to 2.5 mm².

- Variable pitch: 5.00 - 5.08 mm
- 1 component = 2 pitches
- Wire outlet direction: 135° version
- Convenient: optional lever for opening the contact point.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm ²	0.13...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.13...2.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264-A	
Tightening torque range			
Rated current, max.	A	24	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 630 V / 24 A / 0.13 - 2.5 mm²
 UL: 300 V / 15 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

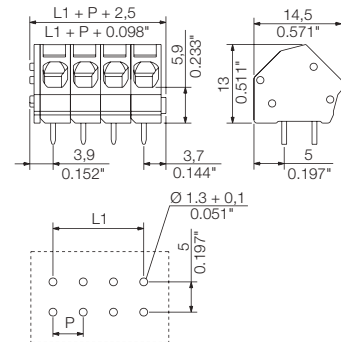
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LMZF 5/..../135



Dimensioned drawing



Accessories

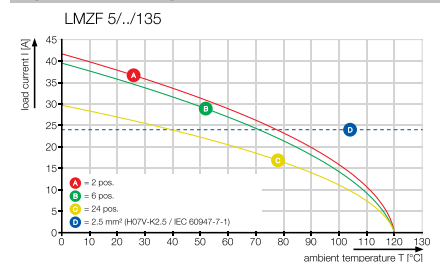
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1913780000
3	10.00	0.394	100	1913820000
4	15.00	0.591	100	1913960000
5	20.00	0.787	100	1914000000
6	25.00	0.984	100	1914020000
7	30.00	1.181	100	1914030000
8	35.00	1.378	100	1914040000
9	40.00	1.575	100	1914050000
10	45.00	1.772	100	1914070000
11	50.00	1.969	100	1914080000
12	55.00	2.165	100	1914090000

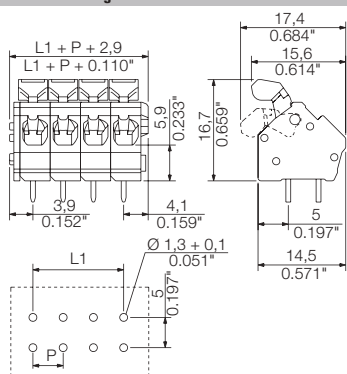
Representative deratings curve



LMZFL 5/./135



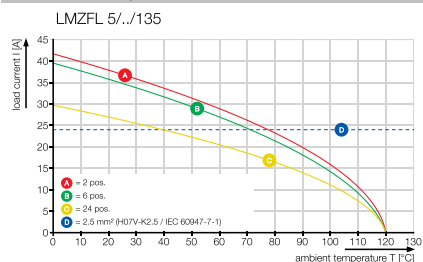
Dimensioned drawing



Ordering data

Solder pin length		3.5 mm	
Colour		orange	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	100 1914560000
3	10.00	0.394	100 1914580000
4	15.00	0.591	100 1914590000
5	20.00	0.787	100 1914600000
6	25.00	0.984	100 1914640000
7	30.00	1.181	100 1914720000
8	35.00	1.378	100 1914790000
9	40.00	1.575	100 1914830000
10	45.00	1.772	100 1914860000
11	50.00	1.969	100 1914990000
12	55.00	2.165	100 1915030000

Additional deratings curves



LMZF & LMZF1 7../135



The compact installation terminal with tension clamp spring connection in 7.xx mm pitch for wire cross-sections up to 2.5 mm².

- Variable pitch: 7.50 - 7.62 mm
- 1 component = 2 pitches
- Wire outlet direction: 135° version
- Convenient: optional lever for opening the contact point.

Product data

IEC: 1000 V / 24 A / 0.13 - 2.5 mm²
 UL: 300 V / 15 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

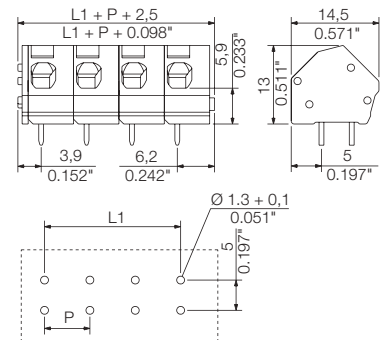
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LMZF 7../135



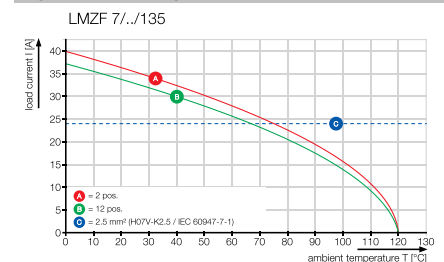
Dimensioned drawing



Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		7.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	100	1952570000
3	15.00	0.591	100	1952580000
4	22.50	0.886	100	1952590000
5	30.00	1.181	100	1952600000
6	37.50	1.476	100	1952610000
7	45.00	1.772	100	1952620000
8	52.50	2.067	100	1952630000
9	60.00	2.362	100	1952640000
10	67.50	2.657	100	1952650000
11	75.00	2.953	100	1952660000
12	82.50	3.248	100	1952670000

Representative deratings curve




Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm ²	0.13...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.13...2.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264-A	
Tightening torque range			
Rated current, max.	A	24	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	400	800 1000
Rated impulse voltage	kV	6	6 6
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	150 300
Rated current	A	15	15 10
AWG conductor	AWG	26-14	
CSA (Use Group)	B C D		
Rated voltage	V	300	150 300
Rated current	A	15	15 10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

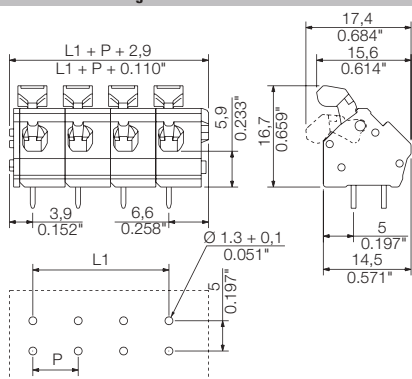
Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000



LMZFL 7../135



Dimensioned drawing



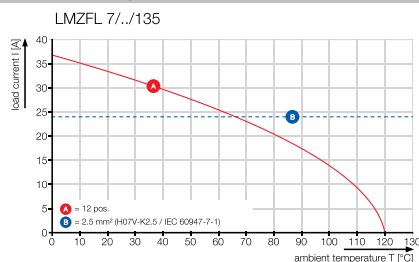
Ordering data

Solder pin length		3.5 mm	
Colour		orange	
Pitch		7.50 mm	
Pol.	L1	(inch)	Qty. Order No.
2	7.50	0.295	100 1953010000
3	15.00	0.591	100 1953020000
4	22.50	0.886	100 1953030000
5	30.00	1.181	100 1953040000
6	37.50	1.476	100 1953050000
7	45.00	1.772	100 1953060000
8	52.50	2.067	100 1953070000
9	60.00	2.362	100 1953080000
10	67.50	2.657	100 1953090000
11	75.00	2.953	100 1953100000
12	82.50	3.248	100 1953110000

OMNIMATE® Signal PCB terminals

G

Additional deratings curves



LMZF & LMZFL 10../135



The compact installation terminal with tension clamp spring connection in 10.xx-mm pitch for wire cross-sections up to 2.5 mm².

- Variable pitch 10.00 - 10.16 mm
- 1 component = 2 pitches
- Wire outlet direction: 135° version
- Convenient: optional lever for opening the contact point.

Product data

IEC: 1000 V / 24 A / 0.13 - 2.5 mm²
 UL: 300 V / 15 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

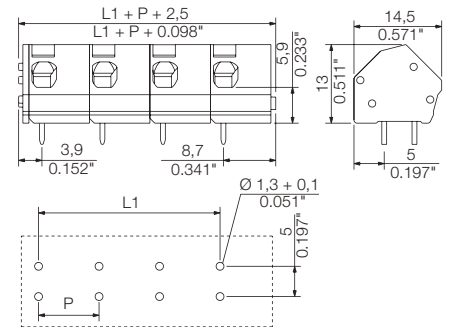
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LMZF 10../135



Dimensioned drawing




Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm ²	0.13...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.13...2.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range			
Rated current, max.	A	24	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	500	1000 1000
Rated impulse voltage	kV	8	8 8
UL / CUL (Use Group)	B C D	B	C D
Rated voltage	V	300	150 300
Rated current	A	15	15 10
AWG conductor	AWG	26-14	
CSA (Use Group)	B C D	B	C D
Rated voltage	V	300	150 300
Rated current	A	15	15 10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

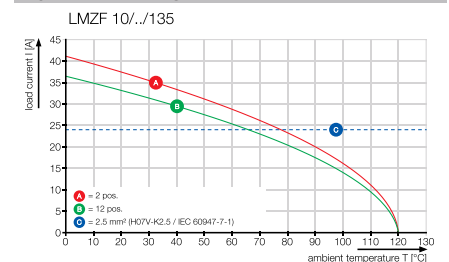
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		10.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	10.00	0.394	100	1953470000
3	20.00	0.787	100	1953480000
4	30.00	1.181	100	1953490000
5	40.00	1.575	100	1953500000
6	50.00	1.969	100	1953510000
7	60.00	2.362	100	1953520000
8	70.00	2.756	100	1953530000
9	80.00	3.150	100	1953540000
10	90.00	3.543	100	1953550000
11	100.00	3.937	100	1953560000
12	110.00	4.331	100	1953570000

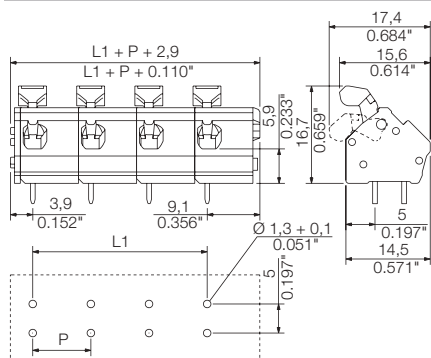
Representative deratings curve



LMZFL 10../135



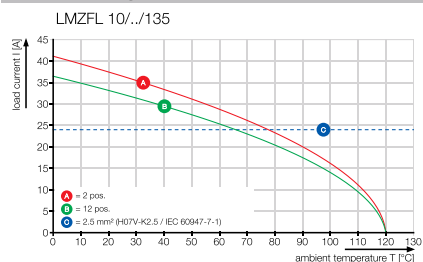
Dimensioned drawing



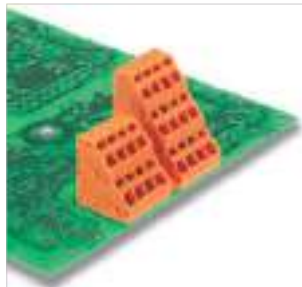
Ordering data

Solder pin length		3.5 mm	
Colour		orange	
Pitch		10.00 mm	
Pol.	L1	(inch)	Qty. Order No.
2	10.00	0.394	100 1953930000
3	20.00	0.787	100 1953940000
4	30.00	1.181	100 1953950000
5	40.00	1.575	100 1953960000
6	50.00	1.969	100 1953970000
7	60.00	2.362	100 1953980000
8	70.00	2.756	100 1953990000
9	80.00	3.150	100 1954000000
10	90.00	3.543	100 1954010000
11	100.00	3.937	100 1954020000
12	110.00	4.331	100 1954030000

Additional deratings curves



LMZF 5.08, multi-level



The high-performance device interface with a high connection density. Multi-level PCB terminal with tension clamp spring connection in 5.08 mm pitch for wire cross-sections up to 2.5 mm².

- Wire outlet direction: 135° version
- Simple switching of connection system - layout compatible with multi-level screw terminals.

Product data

IEC: 630 V / 15 A / 0.2 - 2.5 mm²
 UL: 300 V / 10 A / AWG 24 - 14



For additional articles and information, refer to catalog.weidmueller.com

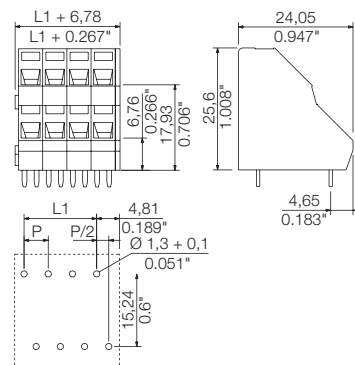
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

LM2NZF 5.08../135



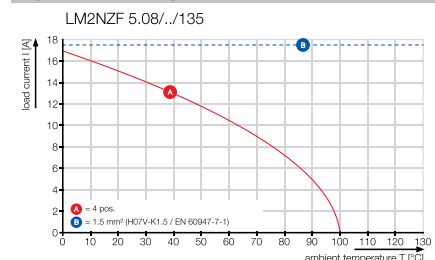
Dimensioned drawing



Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1764810000
6	10.16	0.400	50	1764820000
8	15.24	0.600	50	1764830000
10	20.32	0.800	50	1764840000
12	25.40	1.000	50	1764850000
14	30.48	1.200	20	1764860000
16	35.56	1.400	20	1764870000
18	40.64	1.600	20	1764880000
20	45.72	1.800	20	1758020000
22	50.80	2.000	20	1764890000
24	55.88	2.200	10	1764900000

Representative deratings curve




Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	7.5	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264-A	
Tightening torque range			
Rated current, max.	A	15	13
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)	B C D	B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	24-14	
CSA (Use Group)	B C D	B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	24-14	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-0	
Contact base material			
Material of contact surface			
Pin dimensions = d	mm	0.7 x 1.0	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

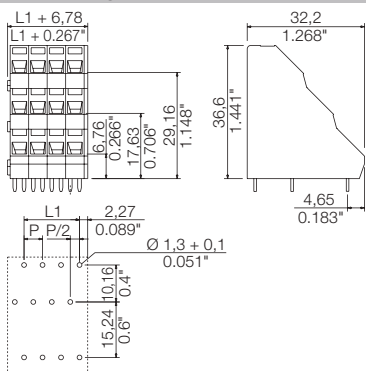
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

LM3RZF 5.08/./135



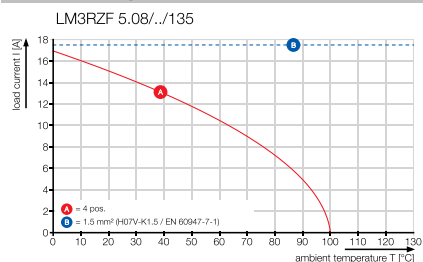
Dimensioned drawing



Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
6	5.08	0.200	50	1764910000
9	10.16	0.400	50	1764920000
12	15.24	0.600	50	1764930000
15	20.32	0.800	20	1764940000
18	25.40	1.000	20	1764950000
21	30.48	1.200	20	1758040000
24	35.56	1.400	10	1764960000
27	40.64	1.600	10	1764970000
30	45.72	1.800	10	1758030000
33	50.80	2.000	10	1764980000
36	55.88	2.200	10	1764990000

Additional deratings curves



OMNIMATE® Signal PCB connectors in 1.27 mm pitch Board-to-Board

OMNIMATE® Signal	Explanation	H.2
PCB connectors in 1.27 mm pitch Board-to-Board	Quick selection	H.4
	Connectors in 1.27 mm pitch Series FM/FF - Board-to-Board	H.6
	Connectors in 1.27 mm pitch Series FC assembled cables - Board-to-Board	H.20

OMNIMATE® Signal
PCB connectors in 1.27 mm pitch Board-to-Board

H

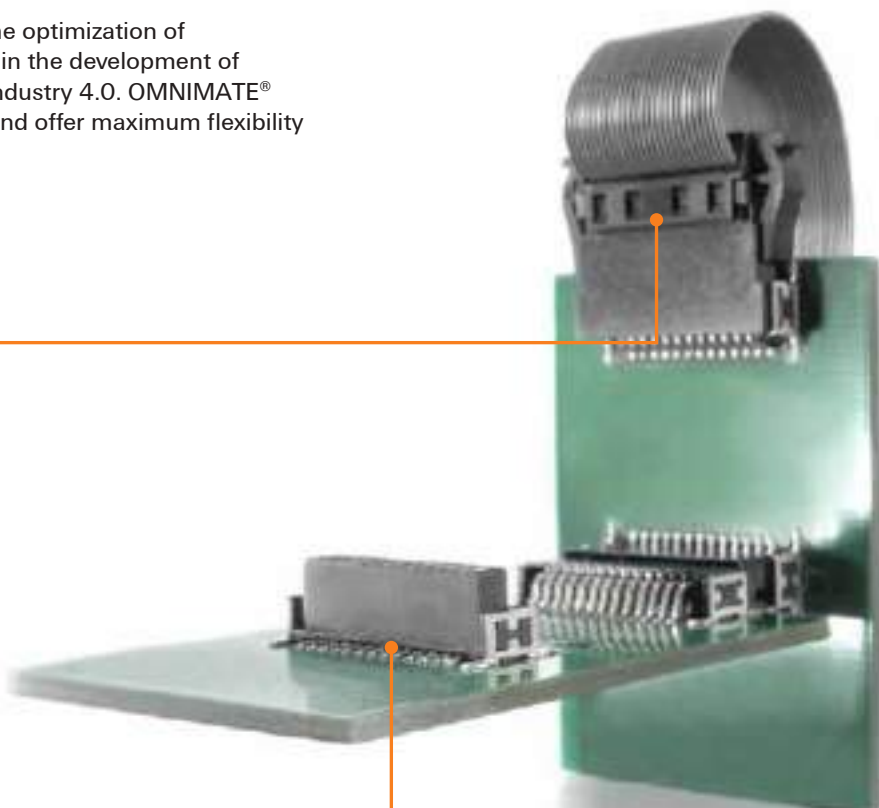
OMNIMATE® Signal Board-to-Board solutions

Flexible engineering of compact devices

The use of future-proof contact systems, as well as the optimization of manufacturing processes, are increasingly important in the development of efficient industrial devices, especially in the field of Industry 4.0. OMNIMATE® board-to-board connectors feature a 1.27 mm pitch and offer maximum flexibility due to different designs.

Reliable connection

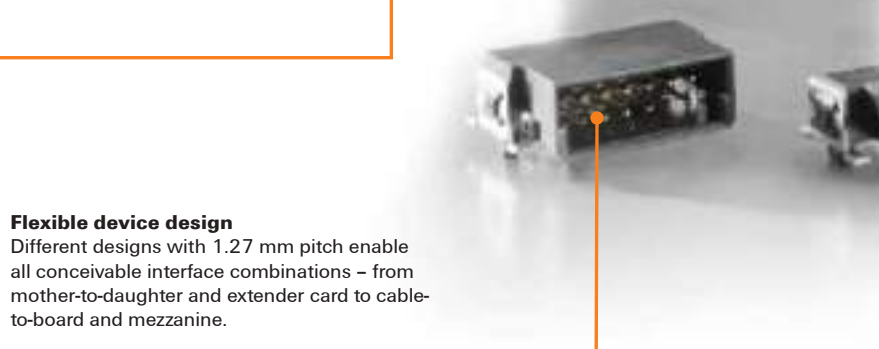
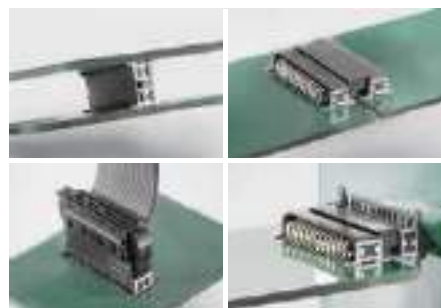
Robust design thanks to coordinated contact geometries and latching clip



H

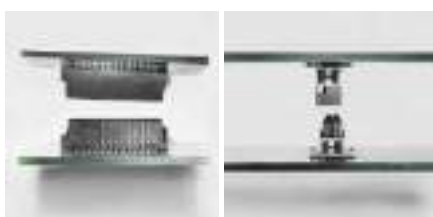
Flexible device design

Different designs with 1.27 mm pitch enable all conceivable interface combinations – from mother-to-daughter and extender card to cable-to-board and mezzanine.



Flexible device design

Different designs with 1.27 mm pitch enable all conceivable interface combinations – from mother-to-daughter and extender card to cable-to-board and mezzanine.



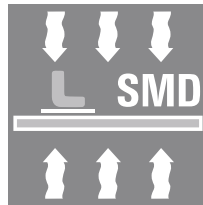
Automation-Ready

Precise pin coplanarity and packaging makes automatic assembly reliable



Process-Ready

High performance LCP material for reflow soldering



Scalability

Different heights with high contact overlapping ensure various solutions from 12 – 80 poles.



Reliable contact

Up to 500 mating cycles due to industry suitable gold-surface (PdNi-Au).



<http://www.OMNIMATE.net>



Series FF / FM

- Up to 500 mating cycles
- LCP material for reflow soldering
- 12 - 80 poles
- Further variants on request



H

Female header

Female plug

- IDC connector suitable for ribbon cable
- Assembled cables in different lengths (0,10 m, 0,20 m, 0,50 m)
- Cable in PVC or TPE material
- Optional strain relief

Type	Height	Conductor outlet direction	Packaging
------	--------	----------------------------	-----------



FFH6 S1/..V

6.25 mm

vertical

Reel



FFH9 S1/..V

9.05 mm

vertical

Reel

1



FFH S1/..H

horizontal

Reel



FFP D1/..H

horizontal / vertical

Tray



FC..

horizontal / vertical

Bag

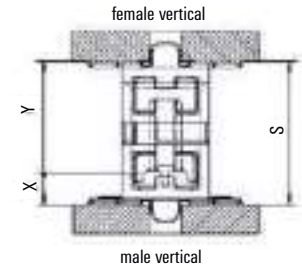
Male header



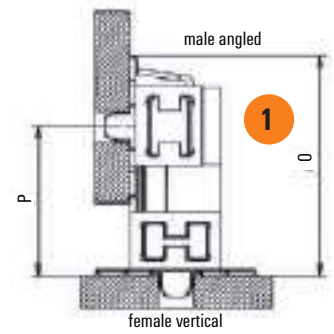
2

FMH1 S1../.V	FMH3 S1../.V	FMH S1../.H
1.75 mm	3.25 mm	
vertical	vertical	horizontal
Reel	Reel	Reel
Mezzanine S = 8 mm - 9. mm	Mezzanine S = 9,5 mm - 11 mm	Mother-to-Daughter P = min. 7.70 mm O = min. 11.53 mm
Mezzanine S = 10.8 mm - 12.3 mm	Mezzanine S = 12.3 mm - 13.8 mm	Mother-to-Daughter P = min. 10.50 mm O = min. 14.33 mm
Mother-to-Daughter P = min. 8.75 mm O = min. 12.58 mm	Mother-to-Daughter P = min. 10.25 mm O = min. 14.08 mm	Extender-Board P = min. 8.6 mm O = min. 16.25 mm
Board-to-Wire	Board-to-Wire	Board-to-Wire
Board-to-Wire	Board-to-Wire	Board-to-Wire

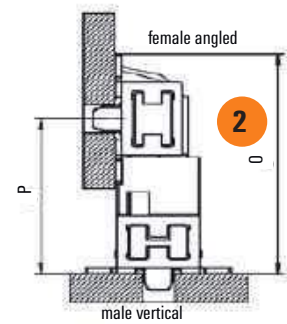
Mezzanine



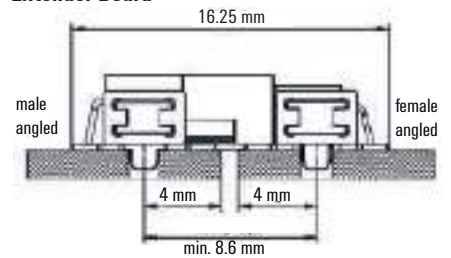
Mother-to-Daughter A



Mother-to-Daughter B



Extender-Board



H

Connectors in 1.27 mm pitch Series FM/FF - Board-to-Board

FMH S1/..H (horizontal)

For additional articles and information, refer to catalog.weidmueller.com



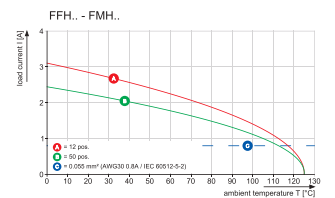
Technical data

Outgoing elbow	90°
Pitch	1.27 mm
Construction type	male header
Mounting onto the PCB	SMD solder connection
Side termination, characteristic	Solder flange
Type of insulation material	LCP
Colour	black
Contact base material	Copper alloy
Layer structure of plug contact	≥ 2 µm Ni / ≥ 0.4 µm PdNi / ≥ 0.05 µm Au
Note	Other variants on request.

Operating temperature	-55...125 °C
Clearance, min.	0.4 mm
Rated current, min. number of poles (Tu=20°C)	2.8 A
Volume resistance	<25 mΩ
Insulation strength	≥ 10 ¹⁰ Ω
Plugging cycles	500
Pulling force / pole	0.40...0.6 N
Approvals	CURUS
Packaging	Tape



H



Ordering data

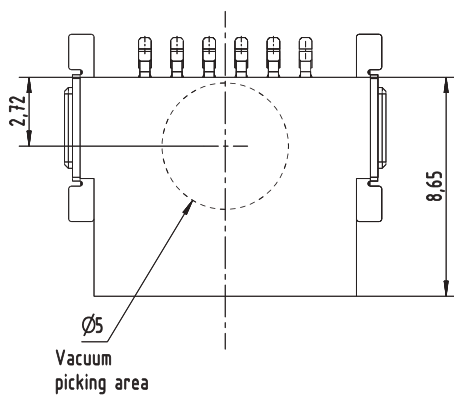
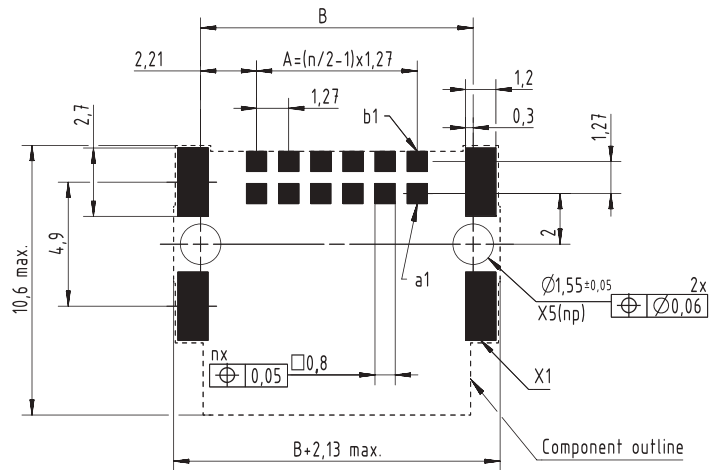
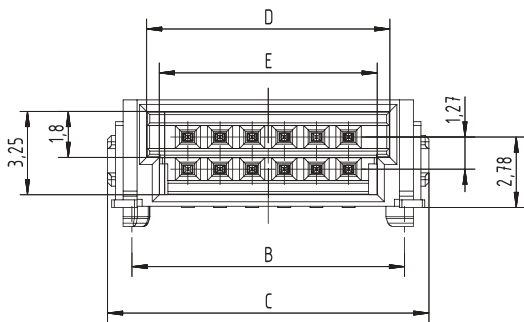
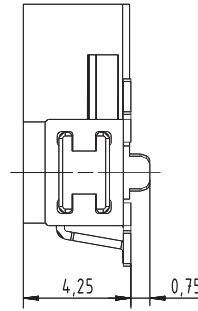
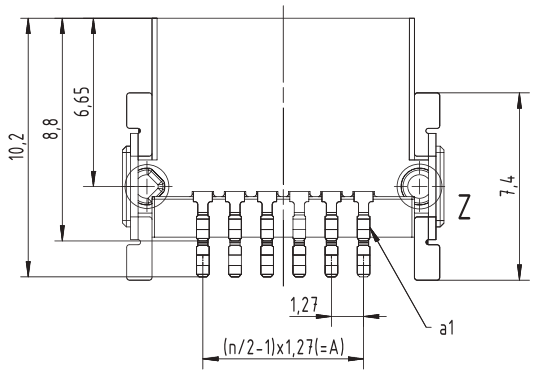
Type	Pol.	Qty.	Order No.
FMH S1/12H F1 B RL	12	560	2747160000
FMH S1/16H F1 B RL	16	560	2747170000
FMH S1/20H F1 B RL	20	560	2747180000
FMH S1/26H F1 B RL	26	560	2747190000
FMH S1/32H F1 B RL	32	560	2747200000
FMH S1/40H F1 B RL	40	560	2747210000
FMH S1/50H F1 B RL	50	560	2747220000
FMH S1/68H F1 B RL	68	560	2747230000
FMH S1/80H F1 B RL	80	560	2747240000

1.27

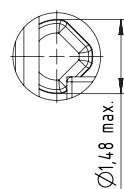
90°

Drawing dimensions

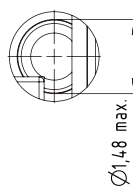
Type	No. of poles	A	B	C	D	E	Order no.
FMH S1/12H F1 B RL	12	6.35	10.77	12.7	9.57	8.57	2747160000
FMH S1/16H F1 B RL	16	8.89	13.31	15.24	12.11	11.11	2747170000
FMH S1/20H F1 B RL	20	11.43	15.85	17.78	14.65	13.65	2747180000
FMH S1/26H F1 B RL	26	15.24	19.66	21.59	18.46	17.46	2747190000
FMH S1/32H F1 B RL	32	19.05	23.47	25.4	22.27	21.27	2747200000
FMH S1/40H F1 B RL	40	24.13	28.55	30.48	27.35	26.35	2747210000
FMH S1/50H F1 B RL	50	30.48	34.9	36.83	33.7	32.7	2747220000
FMH S1/68H F1 B RL	68	41.91	46.33	48.26	45.13	44.13	2747230000
FMH S1/80H F1 B RL	80	49.53	53.95	55.88	52.75	51.75	2747240000



Y (10:1)



Z (10:1)



x= only mechanical
np= not plated thru hole
n= number of poles

Connectors in 1.27 mm pitch Series FM/FF - Board-to-Board

FMH1 S1/..V (vertical, height 1.75 mm)



For additional articles and information, refer to catalog.weidmueller.com



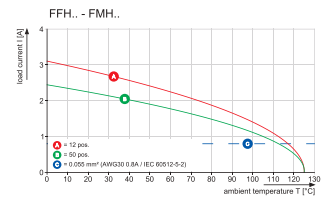
Technical data

Outgoing elbow	180°
Pitch	1.27 mm
Construction type	male header
Mounting onto the PCB	SMD solder connection
Side termination, characteristic	Solder flange
Type of insulation material	LCP
Colour	black
Contact base material	Copper alloy
Layer structure of plug contact	≥ 2 µm Ni / ≥ 0.4 µm PdNi / ≥ 0.05 µm Au
Note	Other variants on request.

Operating temperature	-55...125 °C
Clearance, min.	0.4 mm
Rated current, min. number of poles (Tu=20°C)	2.8 A
Volume resistance	<25 mΩ
Insulation strength	≥ 10 ¹⁰ Ω
Plugging cycles	500
Pulling force / pole	0.40...0.6 N
Approvals	CURUS
Packaging	Tape



H



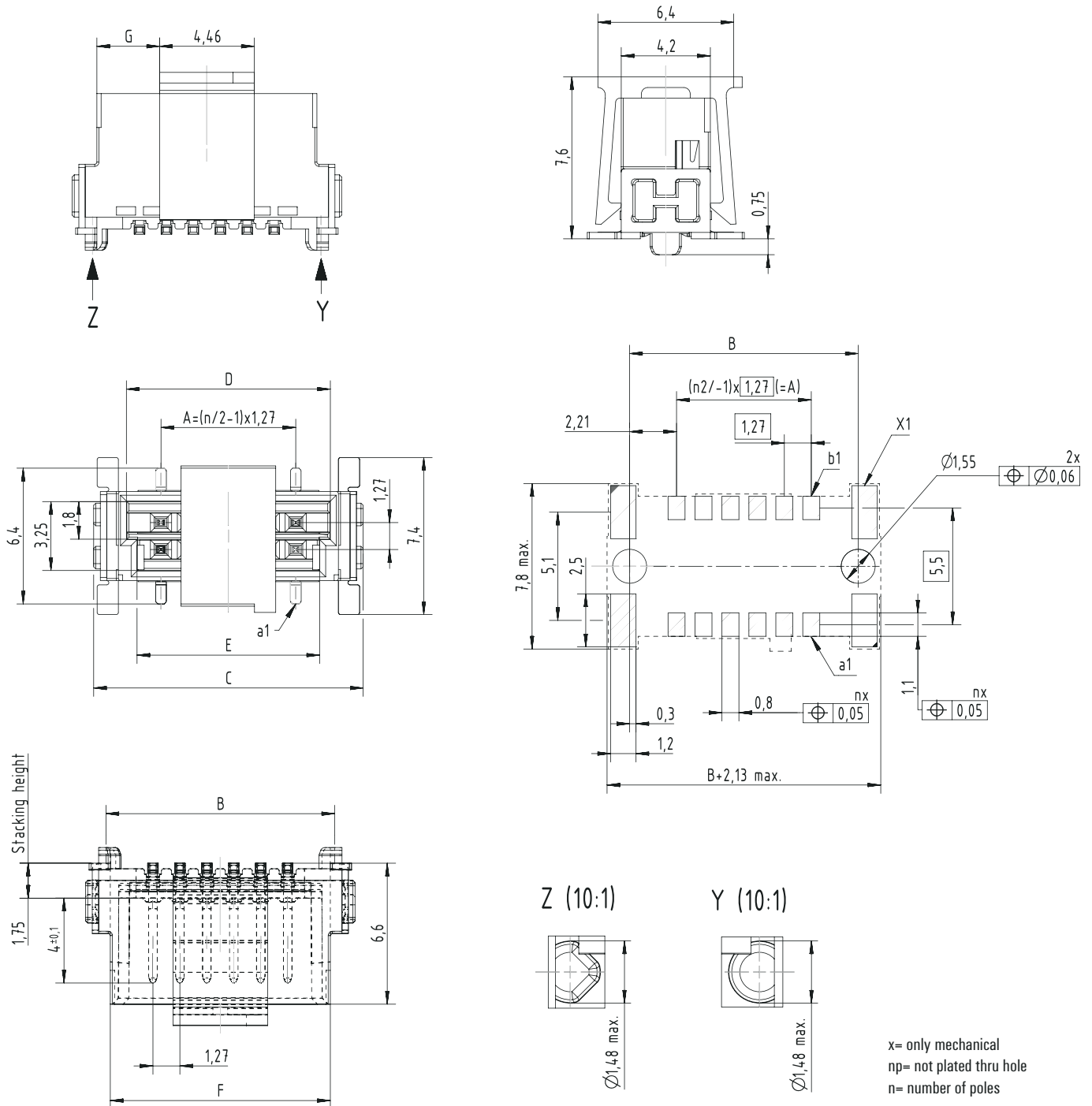
Ordering data

Type	Pol.	Qty.	Order No.
FMH1 S1/12V F1 B RL	12	280	2746980000
FMH1 S1/16V F1 B RL	16	280	2746990000
FMH1 S1/20V F1 B RL	20	280	2747000000
FMH1 S1/26V F1 B RL	26	280	2747010000
FMH1 S1/32V F1 B RL	32	280	2747020000
FMH1 S1/40V F1 B RL	40	280	2747030000
FMH1 S1/50V F1 B RL	50	280	2747040000
FMH1 S1/68V F1 B RL	68	280	2747050000
FMH1 S1/80V F1 B RL	80	280	2747060000



Drawing dimensions

Type	No. of poles	A	B	C	D	E	F	G	Order no.
FMH1 S1/12V F1 B RL	12	6.35	10.77	12.7	9.57	8.57	10.37	2.96	2747980000
FMH1 S1/16V F1 B RL	16	8.89	13.31	15.24	12.11	11.11	12.91	4.23	2747990000
FMH1 S1/20V F1 B RL	20	11.43	15.85	17.78	14.65	13.65	15.45	5.5	2747000000
FMH1 S1/26V F1 B RL	26	15.24	19.66	21.59	18.46	17.46	19.26	7.4	2747010000
FMH1 S1/32V F1 B RL	32	19.05	23.47	25.4	22.27	21.27	23.07	9.31	2747020000
FMH1 S1/40V F1 B RL	40	24.13	28.55	30.48	27.35	26.35	28.15	11.85	2747030000
FMH1 S1/50V F1 B RL	50	30.48	34.9	36.83	33.7	32.7	34.5	15.02	2747040000
FMH1 S1/68V F1 B RL	68	41.91	46.33	48.26	45.13	44.13	45.93	20.74	2747050000
FMH1 S1/80V F1 B RL	80	49.53	53.95	55.88	52.75	51.75	53.55	24.55	2747060000



x= only mechanical
np= not plated thru hole
n= number of poles

Connectors in 1.27 mm pitch Series FM/FF - Board-to-Board

FMH3 S1/..V (vertical, height 3.25 mm)



For additional articles and information, refer to catalog.weidmueller.com



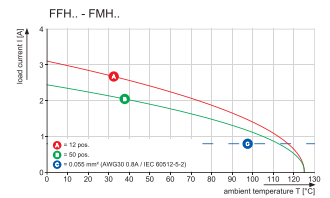
Technical data

Outgoing elbow	180°
Pitch	1.27 mm
Construction type	male header
Mounting onto the PCB	SMD solder connection
Side termination, characteristic	Solder flange
Type of insulation material	LCP
Colour	black
Contact base material	Copper alloy
Layer structure of plug contact	≥ 2 µm Ni / ≥ 0.4 µm PdNi / ≥ 0.05 µm Au
Note	Other variants on request.

Operating temperature	-55...125 °C
Clearance, min.	0.4 mm
Rated current, min. number of poles (Tu=20°C)	2.8 A
Volume resistance	<25 mΩ
Insulation strength	≥ 10 ¹⁰ Ω
Plugging cycles	500
Pulling force / pole	0.40...0.6 N
Approvals	CURUS
Packaging	Tape



H



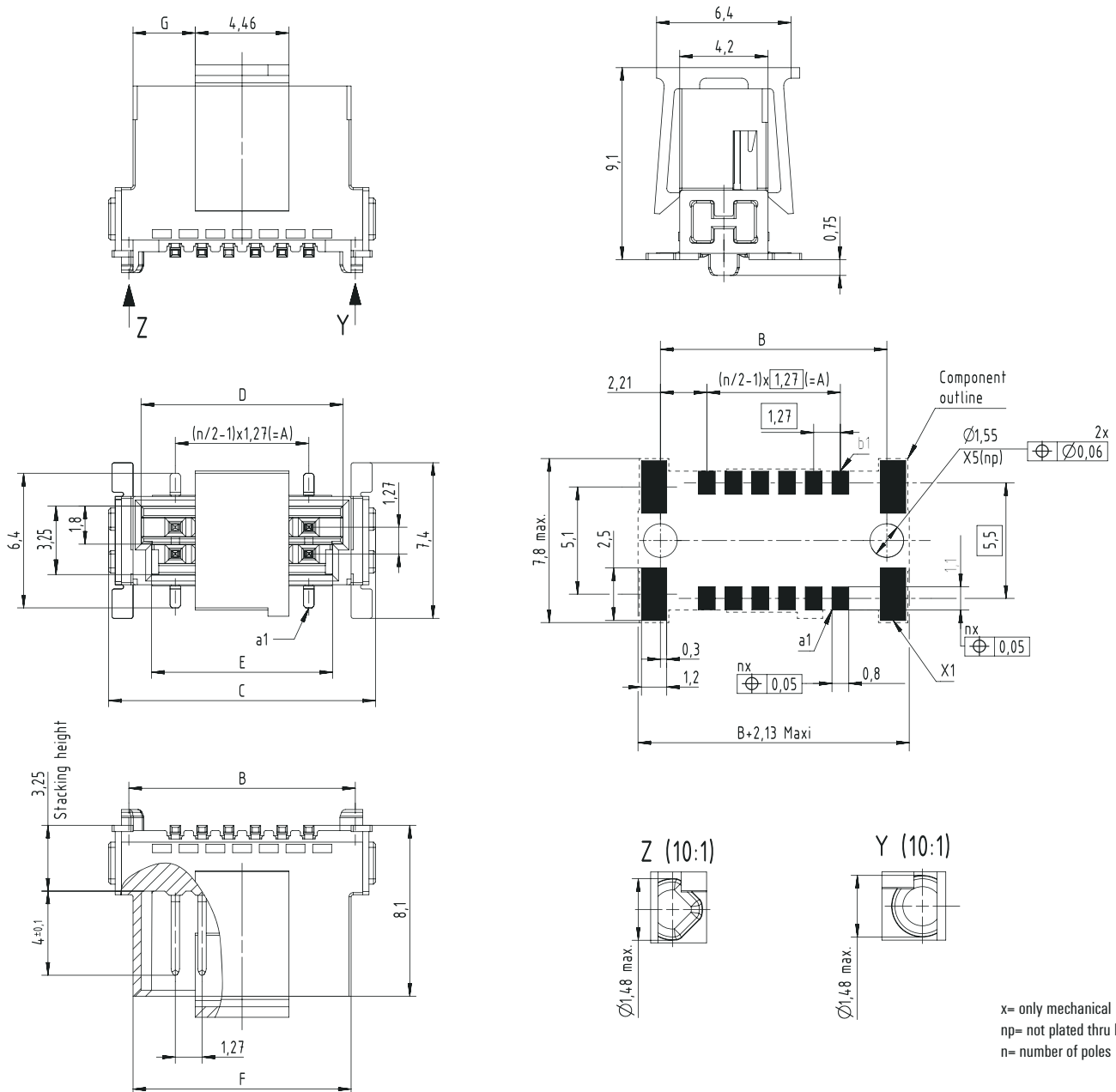
Ordering data

Type	Pol.	Qty.	Order No.
FMH3 S1/12V F1 B RL	12	280	2747070000
FMH3 S1/16V F1 B RL	16	280	2747080000
FMH3 S1/20V F1 B RL	20	280	2747090000
FMH3 S1/26V F1 B RL	26	280	2747100000
FMH3 S1/32V F1 B RL	32	280	2747110000
FMH3 S1/40V F1 B RL	40	280	2747120000
FMH3 S1/50V F1 B RL	50	280	2747130000
FMH3 S1/68V F1 B RL	68	280	2747140000
FMH3 S1/80V F1 B RL	80	280	2747150000



Drawing dimensions

Type	No. of poles	A	B	C	D	E	F	G	Order no.
FMH3 S1/12V F1 B RL	12	6.35	10.77	12.7	9.57	8.57	10.37	2.96	2747070000
FMH3 S1/16V F1 B RL	16	8.89	13.31	15.24	12.11	11.11	12.91	4.23	2747080000
FMH3 S1/20V F1 B RL	20	11.43	15.85	17.78	14.65	13.65	15.45	5.5	2747090000
FMH3 S1/26V F1 B RL	26	15.24	19.66	21.59	18.46	17.46	19.26	7.4	2747100000
FMH3 S1/32V F1 B RL	32	19.05	23.47	25.4	22.27	21.27	23.07	9.31	2747110000
FMH3 S1/40V F1 B RL	40	24.13	28.55	30.48	27.35	26.35	28.15	11.85	2747120000
FMH3 S1/50V F1 B RL	50	30.48	34.9	36.83	33.7	32.7	34.5	15.02	2747130000
FMH3 S1/68V F1 B RL	68	41.91	46.33	48.26	45.13	44.13	45.93	20.74	2747140000
FMH3 S1/80V F1 B RL	80	49.53	53.95	55.88	52.75	51.75	53.55	24.55	2747150000



Connectors in 1.27 mm pitch Series FM/FF - Board-to-Board

FFH S1/..H (horizontal)



For additional articles and information, refer to catalog.weidmueller.com



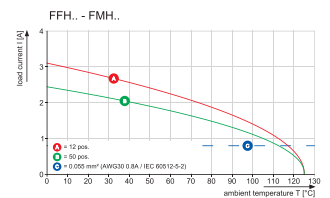
Technical data

Outgoing elbow	90°
Pitch	1.27 mm
Construction type	female header
Mounting onto the PCB	SMD solder connection
Side termination, characteristic	Solder flange
Type of insulation material	LCP
Colour	black
Contact base material	Copper alloy
Layer structure of plug contact	≥ 2 µm Ni / ≥ 0.4 µm PdNi / ≥ 0.05 µm Au
Note	Other variants on request.

Operating temperature	-55...125 °C
Clearance, min.	0.4 mm
Rated current, min. number of poles (Tu=20°C)	2.8 A
Volume resistance	<25 mΩ
Insulation strength	≥ 10 ¹⁰ Ω
Plugging cycles	500
Pulling force / pole	0.40...0.6 N
Approvals	CURUS
Packaging	Tape



H



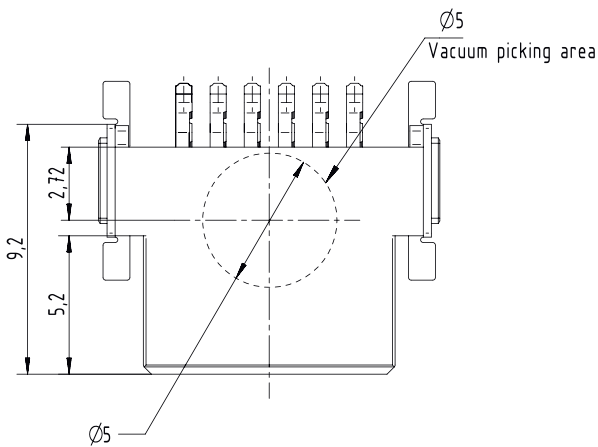
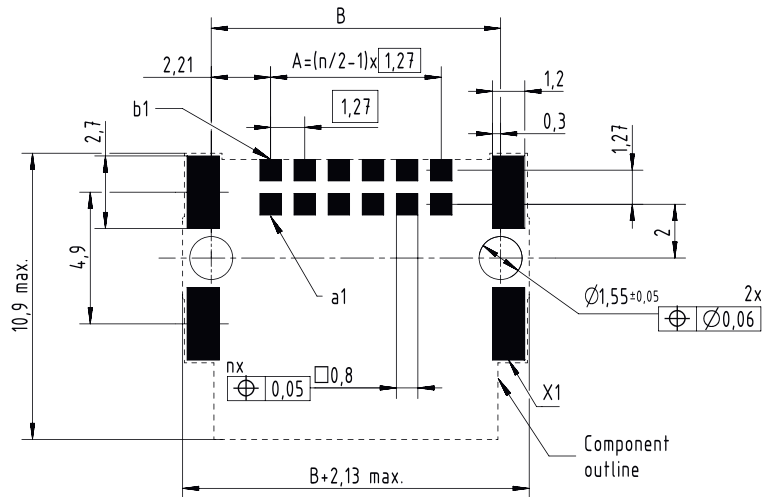
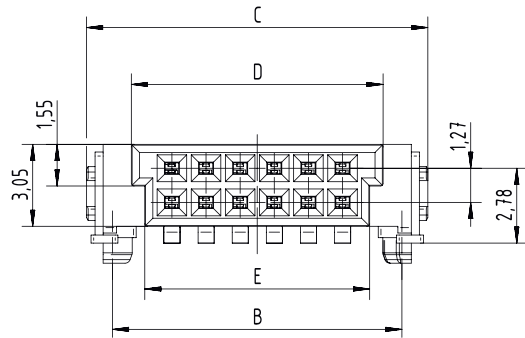
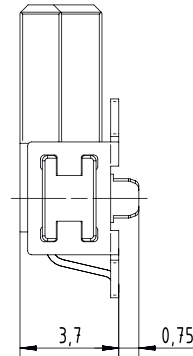
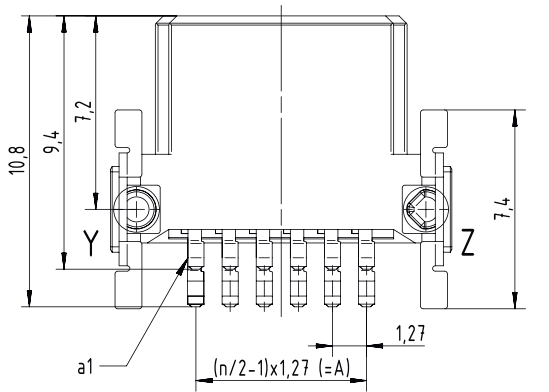
Ordering data

Type	Pol.	Qty.	Order No.
FFH S1/16H F1 B RL	16	560	2747440000
FFH S1/20H F1 B RL	20	560	2747450000
FFH S1/26H F1 B RL	26	560	2747460000
FFH S1/32H F1 B RL	32	560	2747470000
FFH S1/40H F1 B RL	40	560	2747480000
FFH S1/50H F1 B RL	50	560	2747490000
FFH S1/68H F1 B RL	68	560	2747500000
FFH S1/80H F1 B RL	80	560	2747510000

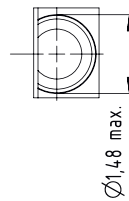


Drawing dimensions

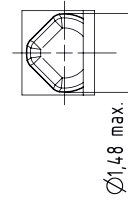
Type	No. of poles	A	B	C	D	E	Order no.
FFH S1/12H F1 B RL	12	6.35	10.77	12.7	9.37	8.37	2747430000
FFH S1/16H F1 B RL	16	8.89	13.31	15.24	11.91	10.91	2747440000
FFH S1/20H F1 B RL	20	11.43	15.85	17.78	14.45	13.45	2747450000
FFH S1/26H F1 B RL	26	15.24	19.66	21.59	18.26	17.26	2747460000
FFH S1/32H F1 B RL	32	19.05	23.47	25.4	22.07	21.07	2747470000
FFH S1/40H F1 B RL	40	24.13	28.55	30.48	27.15	26.15	2747480000
FFH S1/50H F1 B RL	50	30.48	34.9	36.83	33.5	32.5	2747490000
FFH S1/68H F1 B RL	68	41.91	46.33	48.26	44.93	43.93	2747500000
FFH S1/80H F1 B RL	80	49.53	53.95	55.88	52.55	51.55	2747510000



Y (10:1)



Z (10:1)



x= only mechanical
np= not plated thru hole
n= number of poles



**Connectors in 1.27 mm pitch
Series FM/FF - Board-to-Board**

FFH6 S1/..V (vertical, height 6.25 mm)



For additional articles and information, refer to catalog.weidmueller.com



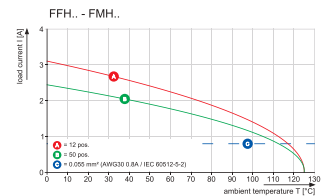
Technical data

Outgoing elbow	180°
Pitch	1.27 mm
Construction type	female header
Mounting onto the PCB	SMD solder connection
Side termination, characteristic	Solder flange
Type of insulation material	LCP
Colour	black
Contact base material	Copper alloy
Layer structure of plug contact	≥ 2 µm Ni / ≥ 0.4 µm PdNi / ≥ 0.05 µm Au
Note	Other variants on request.

Operating temperature	-55...125 °C
Clearance, min.	0.4 mm
Rated current, min. number of poles (Tu=20°C)	2.8 A
Volume resistance	<25 mΩ
Insulation strength	≥ 10 ¹⁰ Ω
Plugging cycles	500
Pulling force / pole	0.40...0.6 N
Approvals	CURUS
Packaging	Tape



H



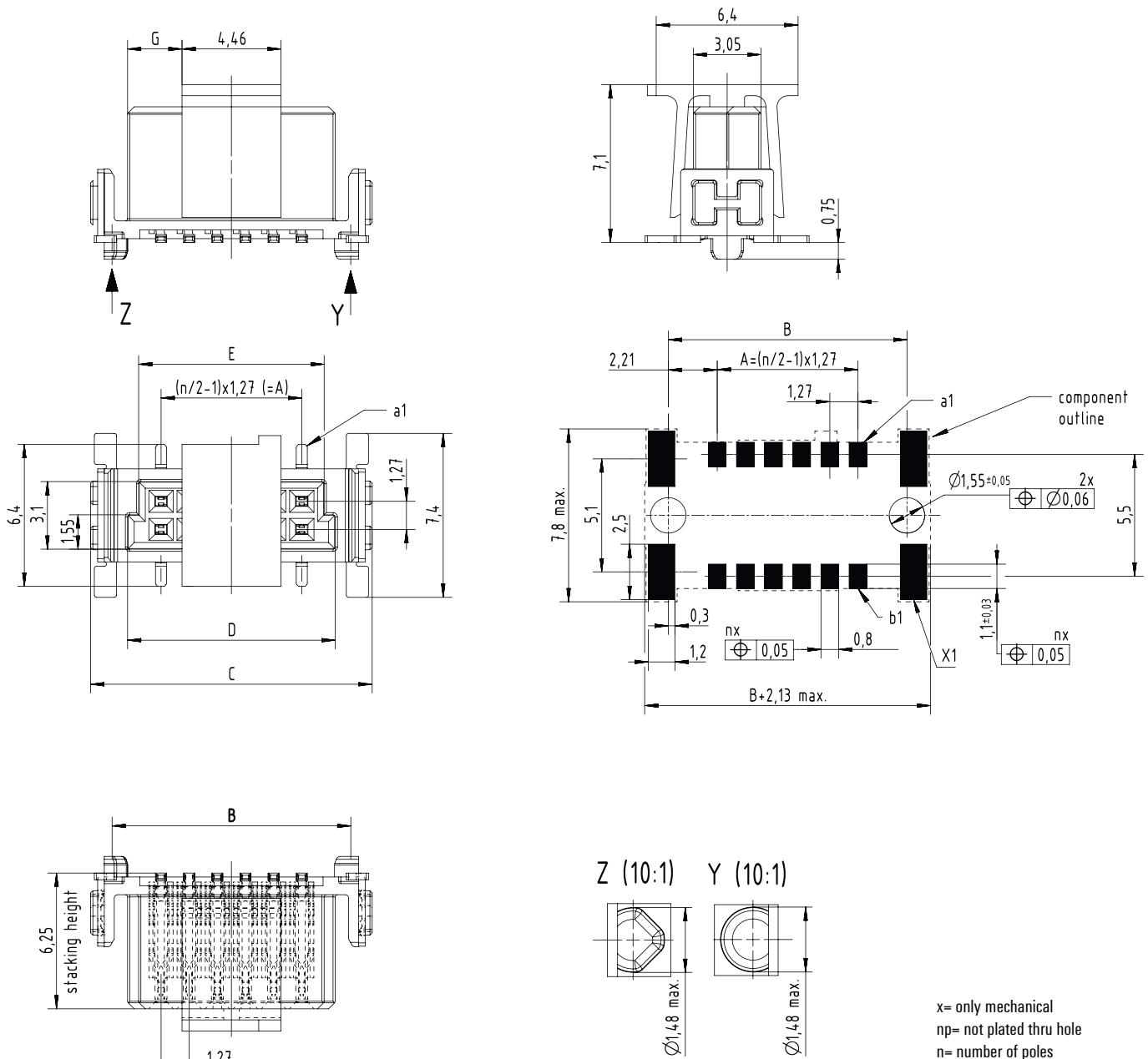
Ordering data

Type	Pol.	Qty.	Order No.
FFH6 S1/12V F1 B RL	12	280	2747250000
FFH6 S1/16V F1 B RL	16	280	2747260000
FFH6 S1/20V F1 B RL	20	280	2747270000
FFH6 S1/26V F1 B RL	26	280	2747280000
FFH6 S1/32V F1 B RL	32	280	2747290000
FFH6 S1/40V F1 B RL	40	280	2747300000
FFH6 S1/50V F1 B RL	50	280	2747310000
FFH6 S1/68V F1 B RL	68	280	2747320000
FFH6 S1/80V F1 B RL	80	280	2747330000



Drawing dimensions

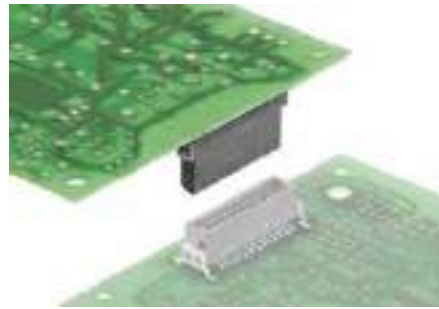
Type	No. of poles	A	B	C	D	E	G	Order no.
FFH6 S1/12V F1 B RL	12	6.35	10.77	12.7	9.37	8.37	2.46	2747250000
FFH6 S1/16V F1 B RL	16	8.89	13.31	15.24	11.91	10.91	3.73	2747260000
FFH6 S1/20V F1 B RL	20	11.43	15.85	17.78	14.45	13.45	5	2747270000
FFH6 S1/26V F1 B RL	26	15.24	19.66	21.59	18.26	17.26	7.54	2747280000
FFH6 S1/32V F1 B RL	32	19.5	23.47	25.4	22.07	21.07	8.81	2747290000
FFH6 S1/40V F1 B RL	40	24.13	28.55	30.48	27.15	26.15	11.35	2747300000
FFH6 S1/50V F1 B RL	50	30.48	34.29	36.83	33.5	32.5	15.16	2747310000
FFH6 S1/68V F1 B RL	68	41.91	46.33	48.26	44.93	43.93	20.24	2747320000
FFH6 S1/80V F1 B RL	80	49.53	53.95	55.88	52.55	51.55	24.05	2747330000



x= only mechanical
np= not plated thru hole
n= number of poles

Connectors in 1.27 mm pitch Series FM/FF - Board-to-Board

FFH9 S1/..V (vertical, height 9.05 mm)



For additional articles and information, refer to catalog.weidmueller.com



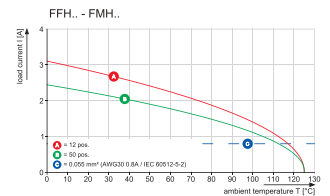
Technical data

Outgoing elbow	180°
Pitch	1.27 mm
Construction type	female header
Mounting onto the PCB	SMD solder connection
Side termination, characteristic	Solder flange
Type of insulation material	LCP
Colour	black
Contact base material	Copper alloy
Layer structure of plug contact	≥ 2 µm Ni / ≥ 0.4 µm PdNi / ≥ 0.05 µm Au
Note	Other variants on request.

Operating temperature	-55...125 °C
Clearance, min.	0.4 mm
Rated current, min. number of poles (Tu=20°C)	2.8 A
Volume resistance	<25 mΩ
Insulation strength	≥ 10 ¹⁰ Ω
Plugging cycles	500
Pulling force / pole	0.40...0.6 N
Approvals	CURUS
Packaging	Tape



H



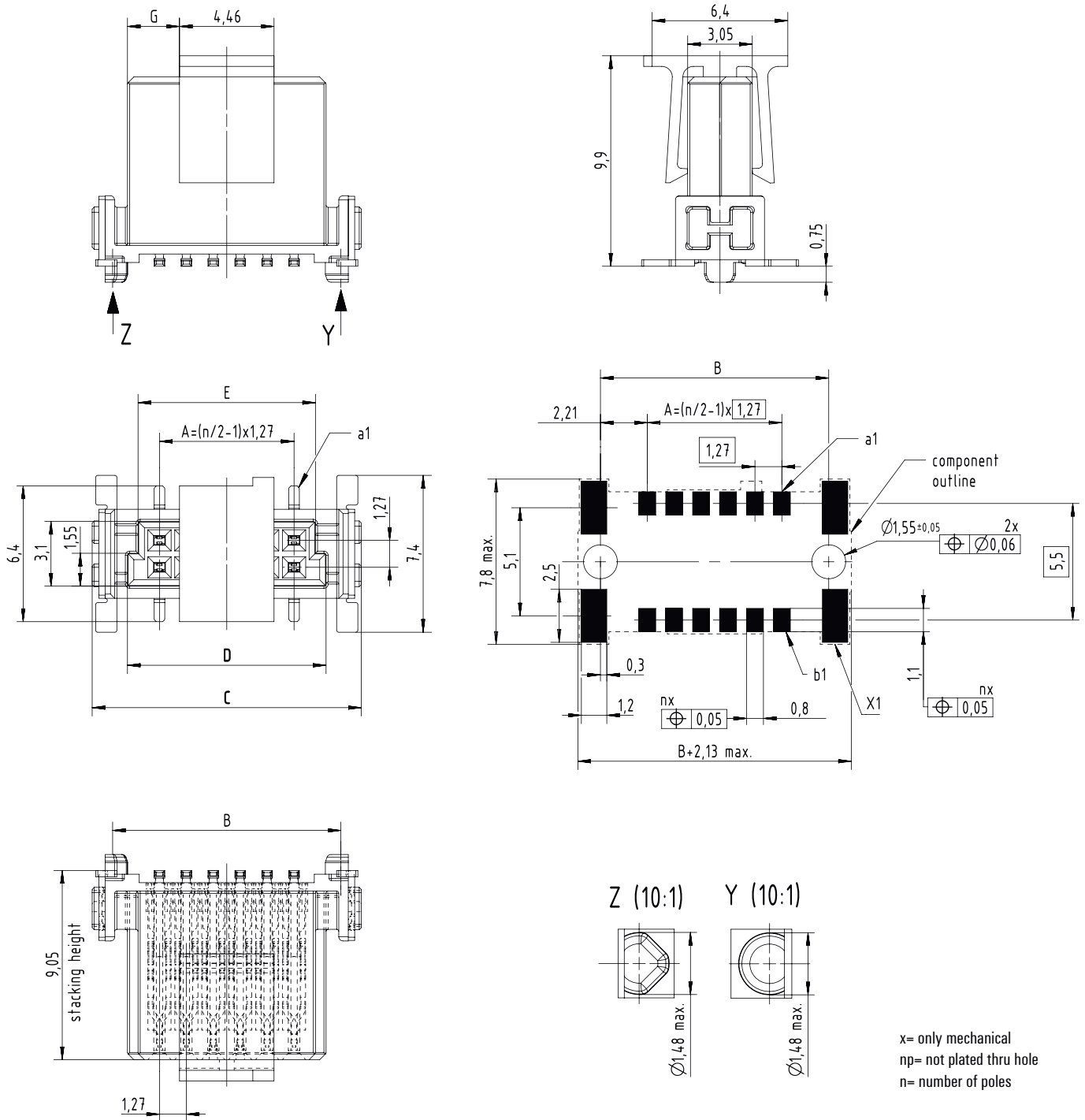
Ordering data

Type	Pol.	Qty.	Order No.
FFH9 S1/12V F1 B RL	12	280	2747340000
FFH9 S1/16V F1 B RL	16	280	2747350000
FFH9 S1/20V F1 B RL	20	280	2747360000
FFH9 S1/26V F1 B RL	26	280	2747370000
FFH9 S1/32V F1 B RL	32	280	2747380000
FFH9 S1/40V F1 B RL	40	280	2747390000
FFH9 S1/50V F1 B RL	50	280	2747400000
FFH9 S1/68V F1 B RL	68	280	2747410000
FFH9 S1/80V F1 B RL	80	280	2747420000



Drawing dimensions

Type	No. of poles	A	B	C	D	E	G	Order no.
FFH9 S1/12V F1 B RL	12	6.35	10.77	12.7	9.37	8.37	2.46	2747340000
FFH9 S1/16V F1 B RL	16	8.89	13.31	15.24	11.91	10.91	3.73	2747350000
FFH9 S1/20V F1 B RL	20	11.43	15.85	17.78	14.45	13.45	5	2747360000
FFH9 S1/26V F1 B RL	26	15.24	19.66	21.59	18.26	17.26	7.54	2747370000
FFH9 S1/32V F1 B RL	32	19.5	23.47	25.4	22.07	21.07	8.81	2747380000
FFH9 S1/40V F1 B RL	40	24.13	28.55	30.48	27.15	26.15	11.35	2747390000
FFH9 S1/50V F1 B RL	50	30.48	34.29	36.83	33.5	32.5	15.16	2747400000
FFH9 S1/68V F1 B RL	68	41.91	46.33	48.26	44.93	43.93	20.24	2747410000
FFH9 S1/80V F1 B RL	80	49.53	53.95	55.88	52.55	51.55	24.05	2747420000



**Connectors in 1.27 mm pitch
Series FM/FF - Board-to-Board**

FFP D1/..H (female connector without ribbon cable)

For additional articles and information, refer to catalog.weidmueller.com



Technical data

Conductor outlet direction	90°/270°
Pitch	1.27 mm
Type of connection	Insulation displacement connection (IDC)
Wire connection cross section AWG	AWG 30/1, 30/7
Outer diameter of insulation	0.55...0.75 mm
Side termination, characteristic	Clip-on flange
Type of insulation material	LCP
Colour	black
Contact base material	Copper alloy
Note	Other variants on request.

Layer structure of plug contact	≥ 2 µm Ni / ≥ 0.4 µm PdNi / ≥ 0.05 µm Au
Operating temperature	-55...125 °C
Clearance, min.	0.4 mm
Rated current, min. number of poles (T _u =20°C)	1.9 A
Volume resistance	<25 mΩ
Insulation strength	≥ 10 ¹⁰ Ω
Plugging cycles	500
Plugging force/pole	0.40...0.6 N
Approvals	CURUS



H



Ordering data

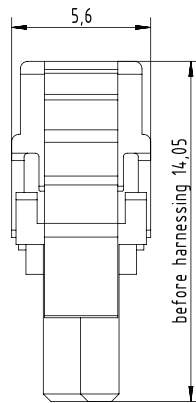
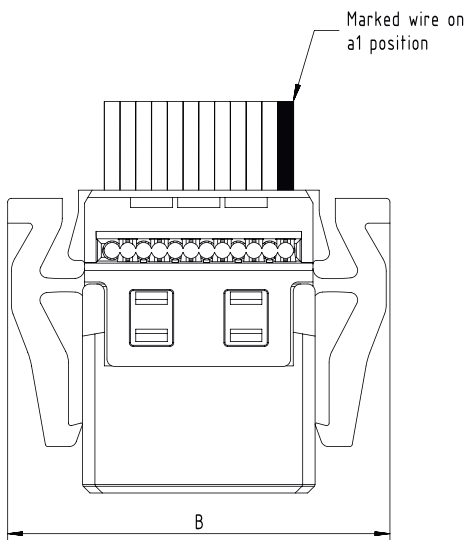
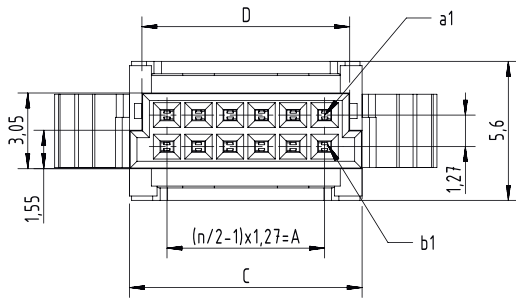
Type	Pol.	Qty.	Order No.
FFP D1/12H S1 B TY	12	100	2747520000
FFP D1/16H S1 B TY	16	120	2747530000
FFP D1/20H S1 B TY	20	105	2747540000
FFP D1/26H S1 B TY	26	120	2747550000
FFP D1/32H S1 B RL	32	100	2747560000
FFP D1/40H S1 B TY	40	100	2747570000
FFP D1/50H S1 B TY	50	75	2747580000
FFP D1/68H S1 B TY	68	75	2747590000
FFP D1/80H S1 B TY	80	50	2747600000

1.27

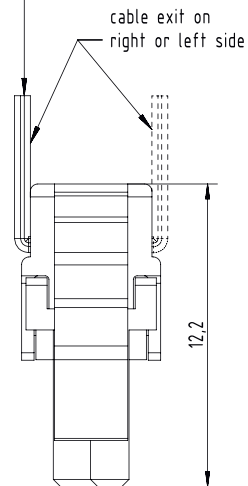
90°

Drawing dimensions

Type	No. of poles	A	B	C	D	E	Order no.
FFP D1/12H S1 B TY	12	6.35	15.4	9.37	8.37	15	2747520000
FFP D1/16H S1 B TY	16	8.89	17.94	11.91	10.91	15	2747530000
FFP D1/20H S1 B TY	20	11.43	20.48	14.45	13.45	15	2747540000
FFP D1/26H S1 B TY	26	15.24	24.29	18.26	17.26	15	2747550000
FFP D1/32H S1 B TY	32	19.05	28.1	22.07	21.07	15	2747560000
FFP D1/40H S1 B TY	40	24.13	33.18	27.15	26.15	15	2747570000
FFP D1/50H S1 B TY	50	30.48	39.53	33.5	32.5	15	2747580000
FFP D1/68H S1 B TY	68	41.91	50.96	44.93	43.93	16.2	2747590000
FFP D1/80H S1 B TY	80	49.53	58.58	55.88	51.55	16.2	2747600000



PVC FLAT CABLE : AWG 30/1 (solid)
AWG 30/7 (stranded)
PTFE FLAT CABLE : AWG 30/1 (solid)
 $\varnothing 0,55$ min. - $\varnothing 0,75$ max.



n = number of poles



Connectors in 1.27 mm pitch Series FC assembled cables – Board-to-Board

FC.. PN/..A.. (PVC, 1:1 wiring)

For additional articles and information, refer to catalog.weidmuller.com



Technical data

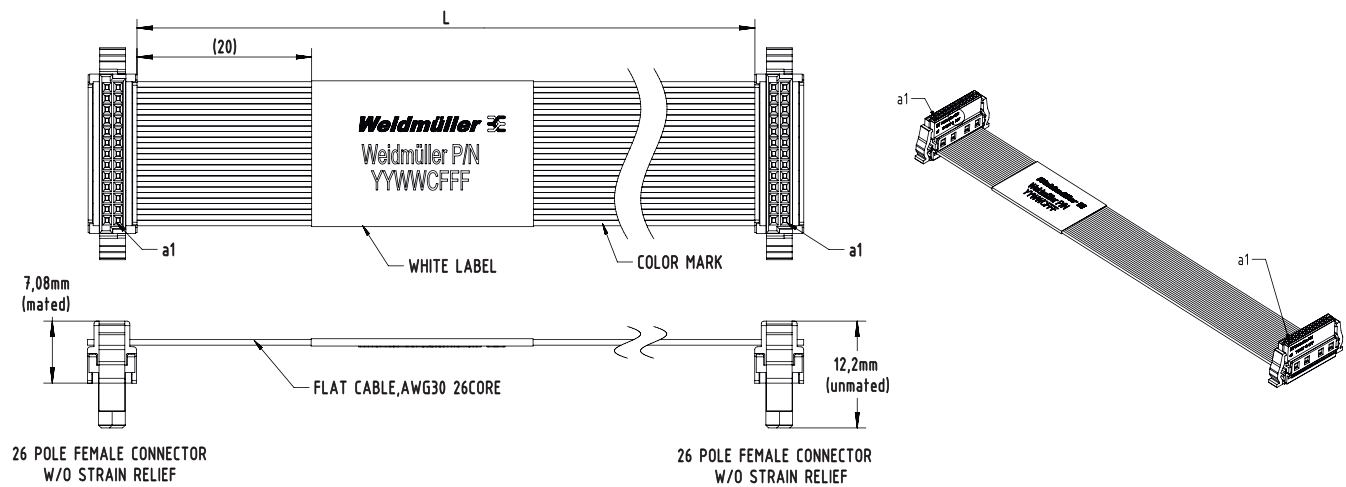
Conductor outlet direction	90°/270°
Pitch	1.27 mm
Type of connection	Insulation displacement connection (IDC)
Wire connection cross section AWG	AWG 30/7
Type of insulation material	LCP
Colour	grey
Contact base material	Copper alloy
Layer structure of plug contact	≥ 2 µm Ni / ≥ 0.4 µm PdNi / ≥ 0.05 µm Au

Operating temperature	-20...105 °C
Clearance, min.	0.4 mm
Rated current, min. number of poles (Tu=20°C)	1.9 A
Volume resistance	<25 mΩ
Insulation strength	≥ 20 MΩ
Plugging cycles	500
Plugging force/pole	0.40...0.6 N

Note Further versions on request.
Ribbon cable pitch 0.635 mm.

FC..../26A S1 B BX

1:1 wiring, 26 pole, different lengths and cable types



H



Ordering data

Type	Pol.	Cable length	Insulation	Qty.	Order No.
FC10 PN/12A S1 B BX	12	100 mm	PVC	10	2826880000
FC10 PN/16A S1 B BX	16	100 mm	PVC	10	2826940000
FC10 PN/20A S1 B BX	20	100 mm	PVC	10	2827000000
FC10 PN/26A S1 B BX	26	100 mm	PVC	10	2827060000
FC10 PN/32A S1 B BX	32	100 mm	PVC	10	2827120000
FC10 PN/40A S1 B BX	40	100 mm	PVC	10	2827180000
FC10 PN/50A S1 B BX	50	100 mm	PVC	10	2827240000
FC10 PN/68A S1 B BX	68	100 mm	PVC	10	2827300000
FC10 PN/80A S1 B BX	80	100 mm	PVC	10	2827360000
FC20 PN/12A S1 B BX	12	200 mm	PVC	10	2826890000
FC20 PN/16A S1 B BX	16	200 mm	PVC	10	2826950000
FC20 PN/20A S1 B BX	20	200 mm	PVC	10	2827010000
FC20 PN/26A S1 B BX	26	200 mm	PVC	10	2827070000
FC20 PN/32A S1 B BX	32	200 mm	PVC	10	2827130000
FC20 PN/40A S1 B BX	40	200 mm	PVC	10	2827190000
FC20 PN/50A S1 B BX	50	200 mm	PVC	10	2827250000
FC20 PN/68A S1 B BX	68	200 mm	PVC	10	2827310000
FC20 PN/80A S1 B BX	80	200 mm	PVC	10	2827370000
FC50 PN/12A S1 B BX	12	500 mm	PVC	10	2826900000
FC50 PN/16A S1 B BX	16	500 mm	PVC	10	2826960000
FC50 PN/20A S1 B BX	20	500 mm	PVC	10	2827020000
FC50 PN/26A S1 B BX	26	500 mm	PVC	10	2827080000
FC50 PN/32A S1 B BX	32	500 mm	PVC	10	2827140000
FC50 PN/40A S1 B BX	40	500 mm	PVC	10	2827200000
FC50 PN/50A S1 B BX	50	500 mm	PVC	10	2827260000
FC50 PN/68A S1 B BX	68	500 mm	PVC	10	2827320000
FC50 PN/80A S1 B BX	80	500 mm	PVC	10	2827380000

Connectors in 1.27 mm pitch Series FC assembled cables – Board-to-Board

FC.. TN/..A.. (TPE, 1:1 wiring)

For additional articles and information, refer to catalog.weidmueller.com



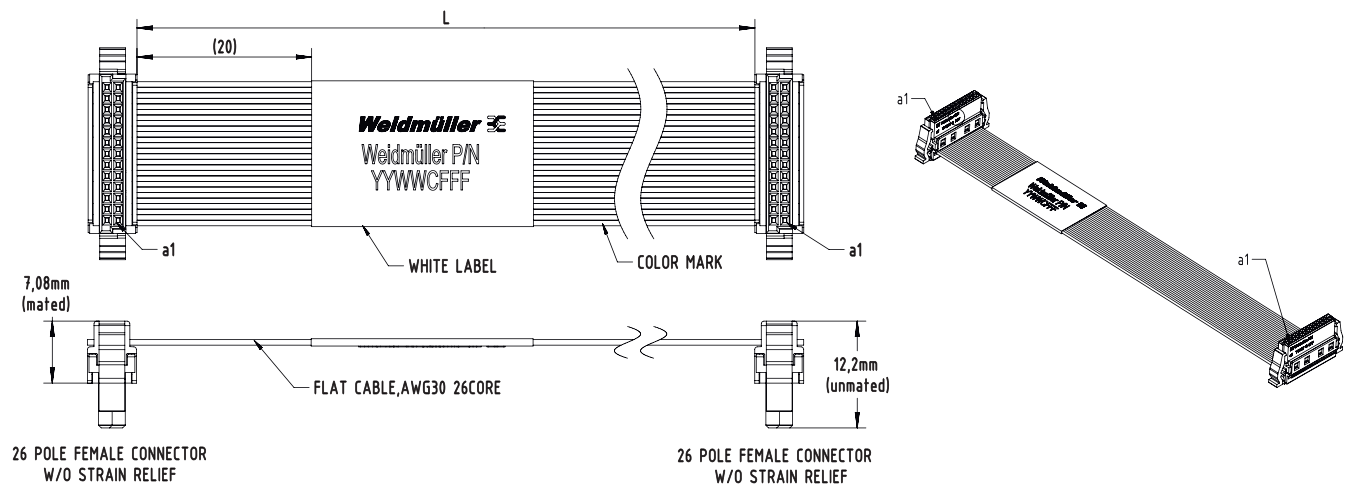
Technical data

Conductor outlet direction	90°/270°	Operating temperature	-40...125 °C
Pitch	1.27 mm	Clearance, min.	0.4 mm
Type of connection	Insulation displacement connection (IDC)	Rated current, min. number of poles (Tu=20°C)	1.9 A
Wire connection cross section AWG	AWG 30/7	Volume resistance	<25 mΩ
Type of insulation material	LCP	Insulation strength	≥ 20 MΩ
Colour	grey	Plugging cycles	500
Contact base material	Copper alloy	Plugging force/pole	0.40...0.6 N
Layer structure of plug contact	≥ 2 µm Ni / ≥ 0.4 µm PdNi / ≥ 0.05 µm Au		

Note Further versions on request.
Ribbon cable pitch 0.635 mm.

FC..../26A S1 B BX

1:1 wiring, 26 pole, different lengths and cable types





Ordering data

Type	Pol.	Cable length	Insulation	Qty.	Order No.
FC10 TN/12A S1 B BX	12	100 mm	TPE	10	2826910000
FC10 TN/16A S1 B BX	16	100 mm	TPE	10	2826970000
FC10 TN/20A S1 B BX	20	100 mm	TPE	10	2827030000
FC10 TN/26A S1 B BX	26	100 mm	TPE	10	2827090000
FC10 TN/32A S1 B BX	32	100 mm	TPE	10	2827150000
FC10 TN/40A S1 B BX	40	100 mm	TPE	10	2827210000
FC10 TN/50A S1 B BX	50	100 mm	TPE	10	2827270000
FC10 TN/68A S1 B BX	68	100 mm	TPE	10	2827330000
FC10 TN/80A S1 B BX	80	100 mm	TPE	10	2827390000
FC20 TN/12A S1 B BX	12	200 mm	TPE	10	2826920000
FC20 TN/16A S1 B BX	16	200 mm	TPE	10	2826980000
FC20 TN/20A S1 B BX	20	200 mm	TPE	10	2827040000
FC20 TN/26A S1 B BX	26	200 mm	TPE	10	2827100000
FC20 TN/32A S1 B BX	32	200 mm	TPE	10	2827160000
FC20 TN/40A S1 B BX	40	200 mm	TPE	10	2827220000
FC20 TN/50A S1 B BX	50	200 mm	TPE	10	2827280000
FC20 TN/68A S1 B BX	68	200 mm	TPE	10	2827340000
FC20 TN/80A S1 B BX	80	200 mm	TPE	10	2827400000
FC50 TN/12A S1 B BX	12	500 mm	TPE	10	2826930000
FC50 TN/16A S1 B BX	16	500 mm	TPE	10	2826990000
FC50 TN/20A S1 B BX	20	500 mm	TPE	10	2827050000
FC50 TN/26A S1 B BX	26	500 mm	TPE	10	2827110000
FC50 TN/32A S1 B BX	32	500 mm	TPE	10	2827170000
FC50 TN/40A S1 B BX	40	500 mm	TPE	10	2827230000
FC50 TN/50A S1 B BX	50	500 mm	TPE	10	2827290000
FC50 TN/68A S1 B BX	68	500 mm	TPE	10	2827350000
FC50 TN/80A S1 B BX	80	500 mm	TPE	10	2827410000

OMNIMATE® Signal PCB connectors in 2.50 mm pitch

OMNIMATE® Signal	PCB connectors in 2.50 mm pitch		
PCB connectors in 2.50 mm pitch	Serie BLF 2.50/SL 2.50		
		Explanation	1.2
		Quick selection	1.4
		Product selection	1.6



Use compact, functional connection solutions

BLF 2.5/SL 2.5 PUSH IN device connectors

Especially for controls, I/O systems and signal interfaces in drive technology, it is now a question of ensuring components are as compact as possible while offering excellent functionality and simple handling.

The new BLF 2.5 OMNIMATE® signal plug-in connector and the associated SL 2.5 male connectors combine these requirements. This is thanks to the space-saving design and the particularly quick PUSH IN connection system – optimised for wire cross-sections of up to 0.5 mm² and a pitch dimension of 2.5 mm.

The BLF 2.5 connector has an integrated pusher to make opening the contact point easier. There is also an additional test point for user-friendly service measurements on the device. The SL 2.5 male header has two available outlet directions in various device designs and ensures excellent accessibility to the connector even in confined spaces.



Pusher gives operational safety

The contact point can be opened easily and the conductor removed by pressing the "pusher". This allows particularly fast and uniform wiring.



Flexible application

The SL 2.5 male header has two available outlet directions and can be used in many device designs. This means good connector availability can be guaranteed, even in confined spaces.



Optimum handling with minimum space requirements

All in one: the BLF 2.5 means you can benefit from a compact, pluggable connection solution for devices which is also simple.



Quick and safe wiring with high connection density: the PCB connectors in a 2.5 mm pitch enable space-saving signal interfaces for a variety of devices, for example, industrial controls.

PUSH IN connector up to 0.5 mm²

Wires with wire-end ferrules and single-stranded wires can be inserted directly thanks to the PUSH IN connection technology which saves time and ensures reliable contacting.

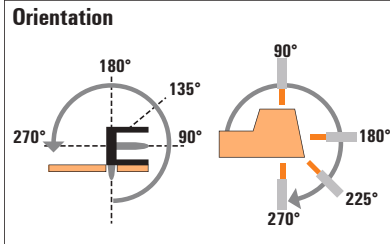
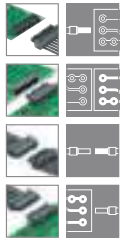
High component density

The compact design with PUSH IN connections and very small 2.5 mm pitch size is perfectly suited for wire cross-sections of up to 0.5 mm².



<http://www.OMNIMATE.net>

- = Wire-to-Board
- = Board-to-Board
- = Wire-to-Wire
- = Board-to-Wire



Serie BLF/2.50/SL 2.50

Levels

Type	Orientation	
	Flange options	
	IEC / UL	

Female plug

**Spring
PUSH IN**



BLF	180°	(G)	IEC: 320 V / 6 A / 0.08 - 0.5 mm ² UL: 150 V / 5 A / AWG 28 - 20
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Female connector:

- (G)*** = Closed (without flange)
- F** = Screw flange with screw
- LH** = Release lever
- LR** = Lock & Release lever

Male header:

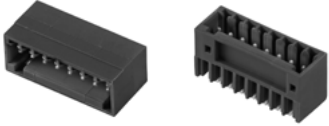
- G** = Closed (without flange)
- F** = Screw flange with nut
- LF** = Solder flange with nut

* not included in the article description

Male header



Solder connection



1

SL	SL
90°	180°
G	G
IEC: 320 V/6 A UL: 150 V/5 A	IEC: 320 V/6 A UL: 150 V/5 A
○	○

Connectors in 2.50 mm pitch BLF 2.50 / SL 2.50

SL 2.50../90G and 180G



Male header for wave soldering in 2.50mm pitch.

- Plugging direction is parallel (90°) or straight 180° to the PCB
- Housing variant: Closed (G)
- Packaged in a cardboard box (BX)

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with ferrule collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	6	6	
At ambient temperature	20°C	40°C	
For conductor cross-section			
Overvoltage category	III	III	II
Pollution severity	3	2	2
Rated voltage	V	80	320 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	150	
Rated current	A	5	
AWG conductor	AWG	-	
CSA (Use Group)		B	C D
Rated voltage	V	150	
Rated current	A	5	
AWG conductor	AWG	-	
General data			
Type of insulation material	PA 66		
UL 94 flammability rating	V-0		
Contact base material	Copper alloy		
Material of contact surface	tinned		
Pin dimensions = d	mm	0.8 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 6 A
UL: 150 V / 5 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

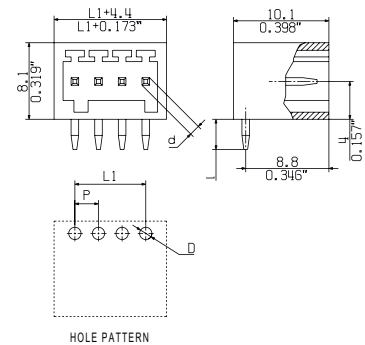
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 2.50../90G Box

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch		2.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	2.50	0.984	250	2439660000
3	5.00	1.968	250	2439760000
4	7.50	2.952	250	2439770000
5	10.00	3.936	200	2439780000
6	12.50	4.920	175	2439790000
7	15.00	5.904	125	2439800000
8	17.50	6.888	125	2439810000
9	20.00	7.872	125	2439820000
10	22.50	8.856	100	2439830000
11	25.00	9.840	100	2439840000
12	27.50	10.824	75	2439850000

2.50

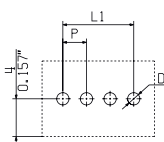
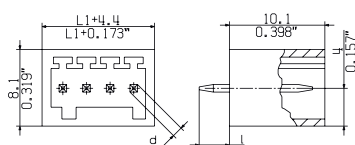
90°

SL 2.50/..../180G Box

closed side



Dimensioned drawing



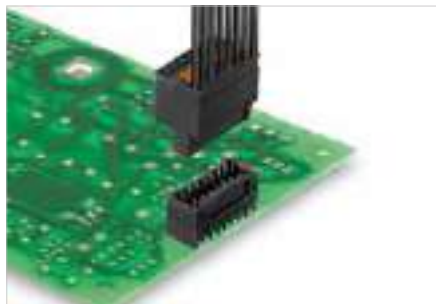
HOLE PATTERN

Ordering data

Solder pin length		3.2 mm	
Colour		black	
Pitch		2.50 mm	
Pol.	L1	(inch)	Qty. Order No.
2	2.50	0.984	250 2439910000
3	5.00	1.968	250 2439920000
4	7.50	2.952	250 2439930000
5	10.00	3.936	200 2439940000
6	12.50	4.920	175 2439950000
7	15.00	5.904	125 2439960000
8	17.50	6.888	125 2439970000
9	20.00	7.872	125 2439980000
10	22.50	8.856	100 2439990000
11	25.00	9.840	100 2440000000
12	27.50	10.824	75 2440010000

Connectors in 2.50 mm pitch BLF 2.50 / SL 2.50

BLF 2.50/./180



PUSH IN - Weidmüller's innovative connection system simplifies the wire connection process.

The benefits for users and applications:

- High component density because of small pitch.
Simply insert the prepared wire - and you're done
- Simplified processing, featuring integrated push buttons for opening the wire-terminal point
- Intuitive handling - since the wire-entry area and handling area are clearly separated

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...0.5	
Solid core H05(07) V-U	mm²	0.08...0.5	
Stranded H07 V-R		...0.5	
Flexible H05(07) V-K	mm ²	0.08...0.5	
Flexible with ferrule	mm ²	0.25...0.34	
Ferrule with plastic collar			
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm		DIN 5264	
Tightening torque range			
Rated current, max.	A	6	6
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	80	320 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	150	
Rated current	A	5	
AWG conductor	AWG	28-20	
CSA (Use Group)		B	C D
Rated voltage	V	150	
Rated current	A	5	
AWG conductor	AWG	28-20	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D			
Solder eyelet Ø tolerance	mm		

Product data

IEC: 320 V / 6 A / 0.08 - 0.5 mm²
UL: 150 V / 5 A / AWG 28 - 20



For additional articles and information, refer to catalog.weidmueller.com

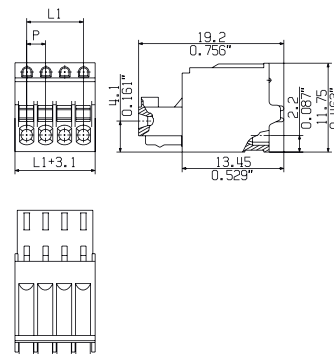
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLF 2.50/./180



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length				
Colour	black			
Pitch	2.50 mm		Qty.	Order No.
Pol.	L1	(inch)		
2	2.50	0.984	250	2438860000
3	5.00	1.968	250	2439650000
4	7.50	2.952	250	2439670000
5	10.00	3.936	200	2439680000
6	12.50	4.920	175	2439690000
7	15.00	5.904	125	2439700000
8	17.50	6.888	125	2439710000
9	20.00	7.872	125	2439720000
10	22.50	8.856	100	2439730000
11	25.00	9.840	100	2439740000
12	27.50	10.824	75	2439750000

2.50

180°

0.5 mm²

OMNIMATE® Signal PCB connectors in 3.50 mm pitch

OMNIMATE® Signal PCB connectors in 3.50 mm pitch

Double-row connectors in 3.50 mm pitch
Series B2C/S2C 3.50

Explanation	J.2
Quick selection	J.4
Product selection	J.6

Connectors in 3.50 mm pitch
Series BL/SL 3.50

Explanation	J.20
Quick selection	J.28
Product selection	J.30

Powerful compact connector with PUSH IN wire connection

OMNIMATE® Signal – simple and safe connection for wires up to 1.5 mm²

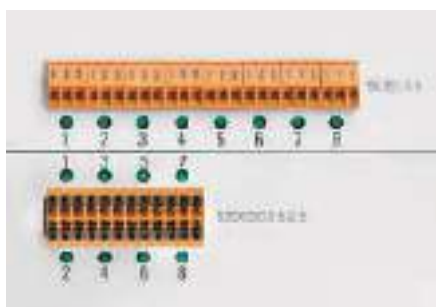


When designing customised device connectivity products for modern applications, it is becoming increasingly important to find the perfect fit between device miniaturisation and increased device functionality. Our new double-row OMNIMATE® B2CF Signal connector, in 3.5 mm pitch, has this perfect fit and enables a new generation of more compact installations.

This connector is easy to work with, despite the increased functionality being packed into a compact space. The PUSH IN direct-insert wire connection mechanism allows you to conveniently connect the signal wires. There are more useful features: the tool-free locking and unlocking, the touch-safe male header, and the outstanding clarity provided by easy-to-read markers that identify each terminal point.

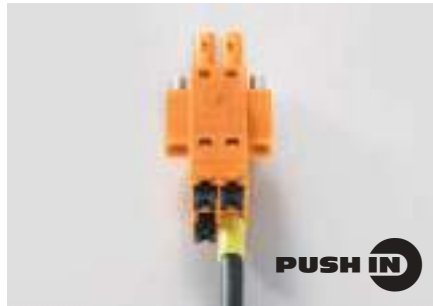
Packing Density 2.0

Smaller devices with increased technical capabilities are being designed for more applications. They take advantage of more contacts packed onto a small surface and a large wire cross-section capacity.



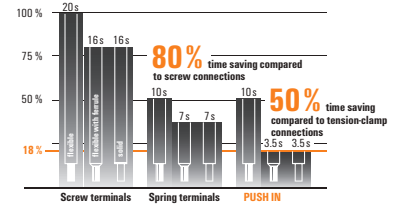
Large wire cross-sections

You can easily connect wires with cross-sections up to 1.5 mm² (when using wire-end ferrules) and up to 1.0 mm² (when using ferrules and plastic collars).



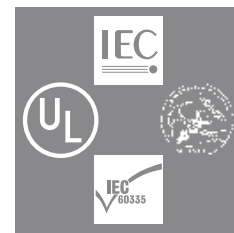
Direct insertion

PUSH IN: the quick, tool-free, intuitive connection mechanism for prepared wires. www.push-in.com



Halogen-free and IEC 60335

Halogen-free materials ensure future compatibility and extended approvals enhance the range of use for new device designs.



Convincing system accessories

Our matching accessories – including markers, light guides, strain relief and coding – improve operational safety and enable a professional design.



J

Convincing safety during use

This connector system is safe to use, with attractive features such as quick wire connections, tool-free locking and unlocking, and touch-safe design.



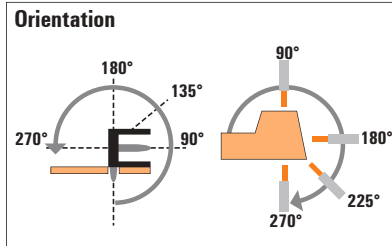
Solid PUSH IN contacts

A safe, permanent connection is ensured by the optimised spring steel and specially-shaped contact element.



<http://www.OMNIMATE.net>

○ = Wire-to-Board	
● = Board-to-Board	
● = Wire-to-Wire	
● = Board-to-Wire	



B2C/S2C 3.50 series



Type	Levels	
	Orientation	Flange options
	IEC / UL	

Female plug	Spring PUSH IN			B2CF	180°	(G)/F/LR	IEC: 320 V/13.4 A/0.14 - 1.5 mm ² UL: 300 V/10 A/AWG 26 - 16
	Tension clamp (with internal cross connection)						

Female connector:
(G)* = Closed (without flange)
F = Screw flange with screw
LH = Release lever
LR = Lock & Release lever

Male header:
G = Closed (without flange)
F = Screw flange with nut
LF = Solder flange with nut

* not included in the article description

Male header



Reflow solder connection



Solder connection



1		2		1	
S2C-SMT	S2C-SMT	S2CD-THR	S2L	S2L	
90°	180°	90°	90°	180°	
G/LF	G/LF	G/LF	G/F	G/F	
IEC: 200 V/13.4 A UL: 150 V/10 A	IEC: 200 V/13.4 A UL: 150 V/10 A	IEC: 200 V/7.9 A UL: 150 V/7 A	IEC: 250 V/10 A UL: 150 V/10 A	IEC: 250 V/10 A UL: 150 V/10 A	
○	○	○	○	○	
			○	○	



Double-row connectors in 3.50 mm pitch Series B2C/S2C 3.50

B2CF/S2C and B2L/S2C 3.50 series



High-temperature-resistant, double-row male header

- Finger-safe
- Plugging direction parallel to PCB (recumbent / 90°)
- Housing variants: closed (G) and with solder flange (LF)
- Packed either in a box (BX) or tape-on-reel (RL)
- Suitable for reflow and wave soldering applications
- Pin length of either 1.5 mm or 3.2 mm
- Can be plugged into female plug B2CF 3.50/./180..

Product data

IEC: 200 V / 13.4 A
UL: 150 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

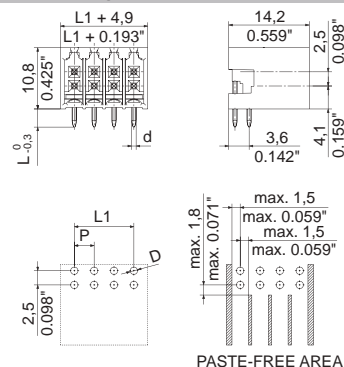
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

S2C-SMT 3.50/./90G Box

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.		13.4	12
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	80	160 200
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	150	50
Rated current	A	10	10
AWG conductor	AWG	-	-
CSA (Use Group)		B	C D
Rated voltage	V	150	50 150
Rated current	A	9.5	9.5 9.5
AWG conductor	AWG	-	-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
B2L/S2L 3.50 KO OR BX	1849730000
B2L/S2L 3.50 KO BK BX	1849740000
LED light guide	
S2L/S2C 3.5 FLA 20/10 SMD	1814590000

Ordering data

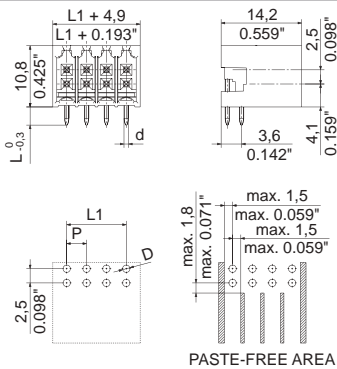
Solder pin length		3.2 mm		
Colour		black		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	216	1288980000
6	7.00	0.276	156	1289270000
8	10.50	0.413	120	1289280000
10	14.00	0.551	96	1289290000
12	17.50	0.689	78	1289300000
14	21.00	0.827	66	1289310000
16	24.50	0.965	60	1289320000
18	28.00	1.102	54	1289330000
20	31.50	1.240	48	1289340000
22	35.00	1.378	42	1289350000
24	38.50	1.516	42	1289370000

S2C-SMT 3.50/./90G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

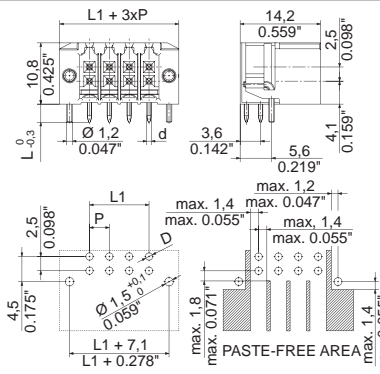
Solder pin length		1.5 mm	
Colour		black	
Pitch		3.50 mm	
Pol.	L1	(inch)	Qty. Order No.
4	3.50	0.138	235 1359580000
6	7.00	0.276	235 1359590000
8	10.50	0.413	235 1359600000
10	14.00	0.551	235 1359610000
12	17.50	0.689	235 1359620000
14	21.00	0.827	235 1359630000
16	24.50	0.965	235 1359640000
18	28.00	1.102	235 1359650000
20	31.50	1.240	235 1359670000
22	35.00	1.378	235 1359680000
24	38.50	1.516	235 1359690000

S2C-SMT 3.50/./90LF Box

with solder flange



Dimensioned drawing



Ordering data

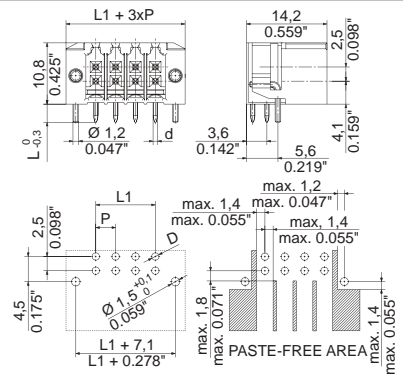
Solder pin length		3.2 mm	
Colour		black	
Pitch		3.50 mm	
Pol.	L1	(inch)	Qty. Order No.
4	3.50	0.138	132 1289450000
6	7.00	0.276	102 1289460000
8	10.50	0.413	84 1289470000
10	14.00	0.551	72 1289480000
12	17.50	0.689	66 1289490000
14	21.00	0.827	54 1289500000
16	24.50	0.965	48 1289510000
18	28.00	1.102	48 1289520000
20	31.50	1.240	42 1289530000
22	35.00	1.378	36 1289540000
24	38.50	1.516	36 1289550000

S2C-SMT 3.50/./90LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



Ordering data

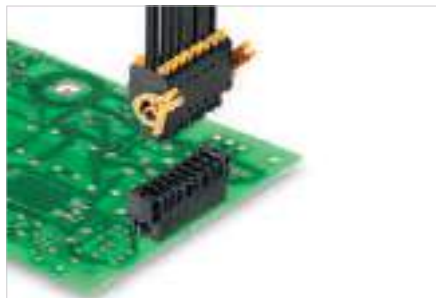
Solder pin length		1.5 mm	
Colour		black	
Pitch		3.50 mm	
Pol.	L1	(inch)	Qty. Order No.
4	3.50	0.138	235 1359080000
6	7.00	0.276	235 1359090000
8	10.50	0.413	235 1359100000
10	14.00	0.551	235 1359120000
12	17.50	0.689	235 1359130000
14	21.00	0.827	235 1359140000
16	24.50	0.965	235 1359150000
18	28.00	1.102	235 1359160000
20	31.50	1.240	235 1359170000

Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88

Double-row connectors in 3.50 mm pitch Series B2C/S2C 3.50

S2C-SMT 3.50/./180



High-temperature-resistant, double-row male header

- Finger-safe
- Plugging direction vertical to PCB (standing / 180°)
- Housing variants: closed (G) and with solder flange (LF)
- Packed either in a box (BX) or tape-on-reel (RL)
- Suitable for reflow and wave soldering applications
- Pin length of either 1.5 mm or 3.2 mm
- Pluggable to female connector B2CF 3.50/./180..

Product data

IEC: 200 V / 13.4 A
UL: 150 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

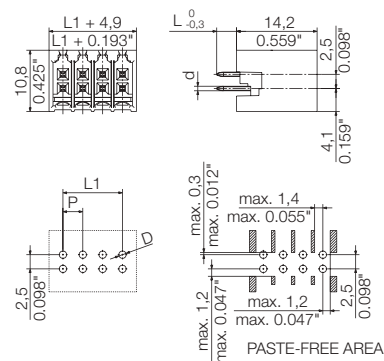
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

S2C-SMT 3.50/./180G Box

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	13.4	12	
At ambient temperature	20°C	40°C	
For conductor cross-section			
Overtoltage category	III	III	II
Pollution severity	3	2	2
Rated voltage	V	80	160
Rated impulse voltage	kV	2.5	2.5
UL / CUL (Use Group)	B	C	D
Rated voltage	V	150	50
Rated current	A	10	10
AWG conductor	AWG	-	
CSA (Use Group)	B	C	D
Rated voltage	V	150	50
Rated current	A	9.5	9.5
AWG conductor	AWG	-	
General data			
Type of insulation material	LCP GF		
UL 94 flammability rating	V-0		
Contact base material	Copper alloy		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
B2L/S2L 3.50 KO OR BX	1849730000
B2L/S2L 3.50 KO BK BX	1849740000

Ordering data

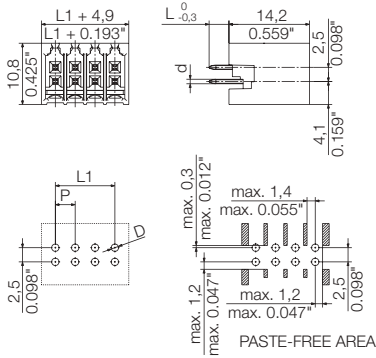
Solder pin length		3.5 mm		
Colour		black		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	216	1290030000
6	7.00	0.276	156	1290040000
8	10.50	0.413	120	1290050000
10	14.00	0.551	96	1290060000
12	17.50	0.689	78	1290070000
14	21.00	0.827	66	1290080000
16	24.50	0.965	60	1290090000
18	28.00	1.102	54	1290110000
20	31.50	1.240	48	1290120000
22	35.00	1.378	42	1290130000
24	38.50	1.516	42	1290140000

S2C-SMT 3.50/./180G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

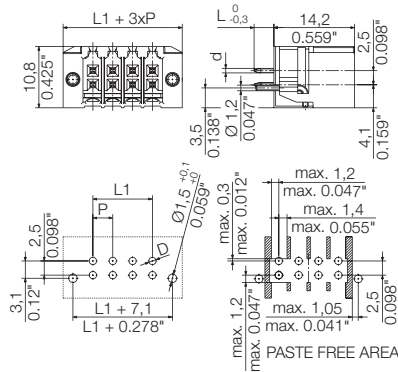
Solder pin length		1.5 mm	
Colour		black	
Pitch		3.50 mm	
Pol.	L1	(inch)	Qty. Order No.
4	3.50	0.138	175 1358860000
6	7.00	0.276	175 1358870000
8	10.50	0.413	175 1358880000
10	14.00	0.551	175 1358890000
12	17.50	0.689	175 1358920000
14	21.00	0.827	175 1358940000
16	24.50	0.965	175 1358970000
18	28.00	1.102	175 1358990000
20	31.50	1.240	175 1359020000
22	35.00	1.378	175 1359040000
24	38.50	1.516	150 1359060000

S2C-SMT 3.50/./180LF Box

with solder flange



Dimensioned drawing



Ordering data

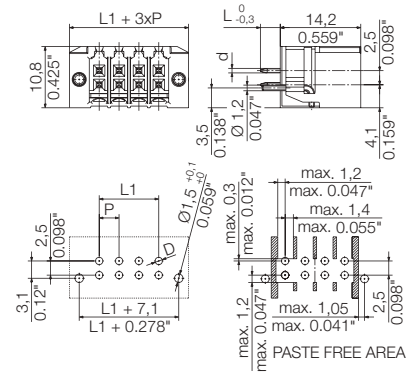
Solder pin length		3.5 mm	
Colour		black	
Pitch		3.50 mm	
Pol.	L1	(inch)	Qty. Order No.
4	3.50	0.138	132 1290220000
6	7.00	0.276	102 1290230000
8	10.50	0.413	84 1290240000
10	14.00	0.551	72 1290250000
12	17.50	0.689	66 1290260000
14	21.00	0.827	54 1290270000
16	24.50	0.965	48 1290280000
18	28.00	1.102	48 1290290000
20	31.50	1.240	42 1290310000
22	35.00	1.378	36 1290320000
24	38.50	1.516	36 1290330000

S2C-SMT 3.50/./180LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm	
Colour		black	
Pitch		3.50 mm	
Pol.	L1	(inch)	Qty. Order No.
4	3.50	0.138	175 1358630000
6	7.00	0.276	175 1358640000
8	10.50	0.413	175 1358650000
10	14.00	0.551	175 1358670000
12	17.50	0.689	175 1358680000
14	21.00	0.827	175 1358690000
16	24.50	0.965	175 1358700000
18	28.00	1.102	175 1358710000
20	31.50	1.240	150 1358720000

Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88

Double-row connectors in 3.50 mm pitch Series B2C/S2C 3.50

S2CD-THR 3.50/./90



High contact density on a small surface: 75% space savings on the PCB. The only 4-row double-level male header for typical IP 20 sensor interfaces in 3.50 mm pitch.

- Finger-safe
- Plugging direction in parallel to circuit board (horizontal / 90°)
- Housing variants: closed (G) and with solder flange (LF)
- Packed in a cardboard box (BX)
- Suitable for reflow and wave soldering applications
- Pin length 3.2 mm
- Can be plugged into female plug B2CF 3.50/./180..

Product data

IEC: 200 V / 7.9 A
UL: 150 V / 9.5 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

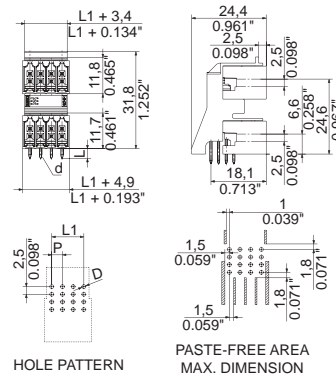
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

S2CD-THR 3.50/./90G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	7.9	6.8
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	100	160 200
Rated impulse voltage	kV	1.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	150	50 50
Rated current	A	9.5	9.5 9.5
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	50	50 150
Rated current	A	5	9.5 9.5
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
B2L/S2L 3.50 KO OR BX	1849730000
B2L/S2L 3.50 KO BK BX	1849740000

Ordering data

Solder pin length		3.2 mm	
Colour		black	
Pitch		3.50 mm	
Pol.	L1	(inch)	Qty. Order No.
8	10.50	0.413	50 1357790000
12	17.50	0.689	50 1357800000
16	24.50	0.965	20 1357820000
20	31.50	1.240	20 1357830000
24	38.50	1.516	20 1357840000
28	45.50	1.791	20 1357850000
32	52.50	2.067	20 1357870000
36	59.50	2.343	20 1357880000

1.5 mm solder pin length available on request

J

3.50D

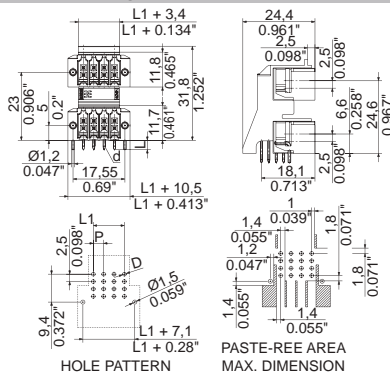
90°

S2CD-THR 3.50/././90LF

with solder flange



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
8	10.50	0.413	50	1357890000
12	17.50	0.689	50	1357900000
16	24.50	0.965	20	1357920000
20	31.50	1.240	20	1357930000
24	38.50	1.516	20	1357940000
28	45.50	1.791	20	1357950000
32	52.50	2.067	20	1357970000
36	59.50	2.343	20	1357990000

1.5 mm solder pin length available on request



Double-row connectors in 3.50 mm pitch Series B2C/S2C 3.50

B2CF 3.50/./180



Two-row female plug with PUSH IN spring connection.

- Simply insert the prepared wires - finished
- Intuitive handling - since the wire-entry area and handling area are clearly separated.
- Integrated push-buttons for opening the terminal point
- High component density because of low heights
- Optional: the lock and release requires no tools when using Weidmüller's patented (LR) release latch
- Approval according to IEC 60335 and GL in preparation
- Also compatible with series: S2L 3.50, S2L-SMT 3.50 and S2LD-THR 3.50

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.14...1.5	
Solid core H05(07) V-U	mm²	0.14...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.14...1.5	
Flexible with ferrule	mm ²	0.14...1.5	
Ferrule with plastic collar	mm ²	0.14...1	
Stripping length	mm	10	
Screwdriver blade	mm	0.4 x 2.5	
According to norm			
Tightening torque range			
Rated current, max.	A	13.4	12
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	50 300
Rated current	A	9.5	9.5 9.5
AWG conductor	AWG		30-16
CSA (Use Group)	B C D		
Rated voltage	V	300	50 300
Rated current	A	9.5	9.5 9.5
AWG conductor	AWG		30-16
General data			
Type of insulation material		PA 66 GF 30	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 320 V / 13.4 A / 0.14 - 1.5 mm²
UL: 300 V / 9.5 A / AWG 30 - 16



For additional articles and information, refer to catalog.weidmueller.com

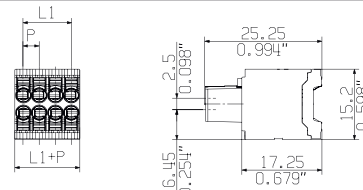
Note:

- Additional variants on request
 - Gold-plated contact surfaces on request
 - Gold-plated contact surfaces on request
 - Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
 - P on drawing = pitch
 - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
 - Max. outer diameter of the conductor 2.6 mm
- Wire-end ferrule w/plastic collar DIN 46228/4 or Weidmüller colour code
- 1.00mm² [H1.0/18D] mtl. ferrule leng. 12mm, stripping leng. 15mm
 - 0.75mm² [H0.75/18D] mtl. ferrule leng. 12mm, stripping leng. 14mm
 - 0.50mm² [H0.5/16D] mtl. ferrule leng. 10mm, stripping leng. 12mm
 - 0.34mm² [H0.34/12] mtl. ferrule leng. 8mm, stripping leng. 10mm
 - 0.25mm² [H0.25/12] mtl. ferrule leng. 8mm, stripping leng. 10mm
 - 0.14mm² [H0.14/12] mtl. ferrule leng. 8mm, stripping leng. 10mm
- Wire-end ferrule w/o plastic collar acc. to DIN 46228/1
- 1.50mm² [H1.5/10] mtl. ferrule leng. 10mm, stripping leng. 10mm
 - Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

B2CF 3.50/./180



Dimensioned drawing



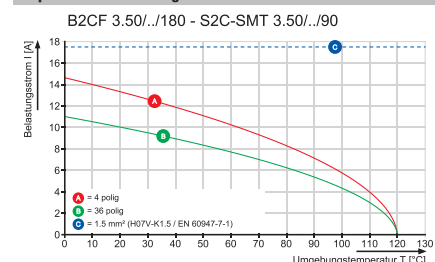
Ordering data

Solder pin length				
Colour	orange			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	264	1277270000
6	7.00	0.276	174	1277280000
8	10.50	0.413	132	1277290000
10	14.00	0.551	102	1277310000
12	17.50	0.689	84	1277320000
14	21.00	0.827	72	1277330000
16	24.50	0.965	66	1277340000
18	28.00	1.102	54	1277350000
20	31.50	1.240	48	1277360000
22	35.00	1.378	48	1277370000
24	38.50	1.516	42	1277380000

Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	B2L/S2L 3.50 KO OR BX	1849730000
	B2L/S2L 3.50 KO BK BX	1849740000
Strain relief		
	BL 3.50 ZE03 OR BX	1629680000
	BL 3.50 ZE03 BK BX	1627820000
	BL 3.50 ZE08 OR BX	1629690000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
Pressing tool		
	PZ 1.5	9005990000
	PZ 6/5	9011460000

Representative deratings curve

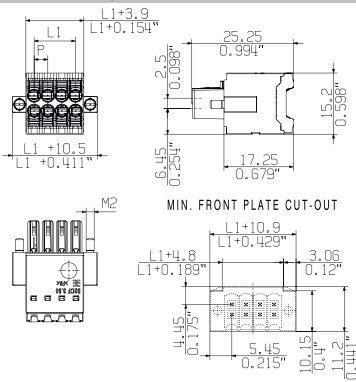


B2CF 3.50../180F

with screw flange



Dimensioned drawing



Ordering data

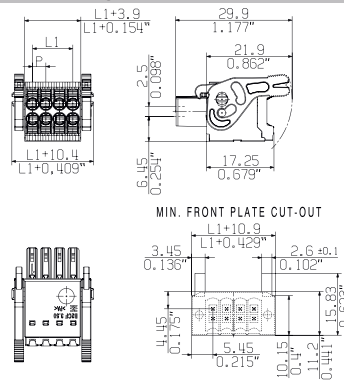
Solder pin length					
Colour		orange			
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	
4	3.50	0.138	120	1277650000	
6	7.00	0.276	102	1277670000	
8	10.50	0.413	84	1277680000	
10	14.00	0.551	72	1277690000	
12	17.50	0.689	66	1277720000	
14	21.00	0.827	54	1277730000	
16	24.50	0.965	48	1277740000	
18	28.00	1.102	48	1277750000	
20	31.50	1.240	42	1277760000	
22	35.00	1.378	36	1277770000	
24	38.50	1.516	36	1277780000	

B2CF 3.50../180LR

with release latch



Dimensioned drawing



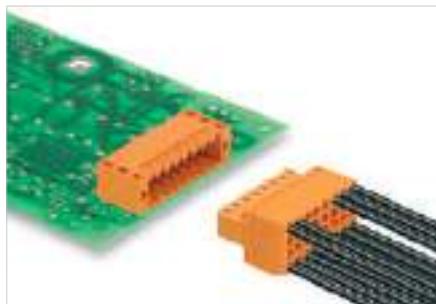
Ordering data

Solder pin length					
Colour		orange			
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	
4	3.50	0.138	138	1278040000	
6	7.00	0.276	108	1278050000	
8	10.50	0.413	90	1278060000	
10	14.00	0.551	78	1278070000	
12	17.50	0.689	66	1278080000	
14	21.00	0.827	60	1278090000	
16	24.50	0.965	54	1278100000	
18	28.00	1.102	48	1278110000	
20	31.50	1.240	42	1278120000	
22	35.00	1.378	42	1278130000	
24	38.50	1.516	36	1278140000	

Release lever (LH) see Online catalogue

Double-row connectors in 3.50 mm pitch Series B2L/S2L 3.50

S2L 3.50/./90



Angled, double-row male header. Male headers with 3.5 mm pins that are designed for wave soldering and are packaged in a box. Available in closed (G) version and with screw flange (F).

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	10	9
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	80	125 250
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)	B C D		
Rated voltage	V	150	50
Rated current	A	10	10
AWG conductor	AWG	-	
CSA (Use Group)	B C D		
Rated voltage	V	150	
Rated current	A	5	
AWG conductor	AWG	-	
General data			
Type of insulation material	PBT		
UL 94 flammability rating	V-0		
Contact base material	Copper alloy		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 250 V / 10 A
UL: 150 V / 10 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

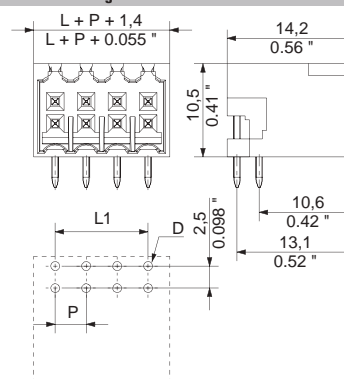
- Additional variants on request
- Gold-plated contact surfaces on request
- Spacing between rows: see hole layout
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

S2L 3.50/./90G

closed ends



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
B2L/S2L 3.50 KO OR BX	1849730000
B2L/S2L 3.50 KO BK BX	1849740000
LED light guide	
S2L/S2C 3.5 FLA 20/10	1699580000
Mounting screw	
PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

Solder pin length		3.5 mm		
Colour	orange			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
6	7.00	0.276	156	1727830000
8	10.50	0.413	120	1727840000
10	14.00	0.551	96	1727850000
12	17.50	0.689	78	1727860000
14	21.00	0.827	66	1727870000
16	24.50	0.965	60	1727880000
18	28.00	1.102	54	1727890000
20	31.50	1.240	48	1727900000
22	35.00	1.378	42	1727910000
24	38.50	1.516	42	1727920000

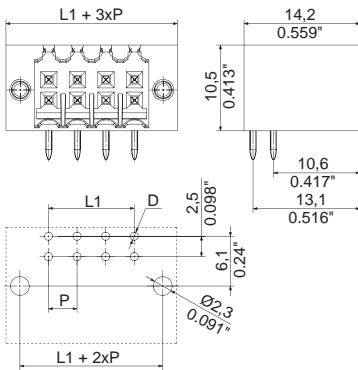
For open version, see online catalogue

S2L 3.50/./90F

with screw flange



Dimensioned drawing



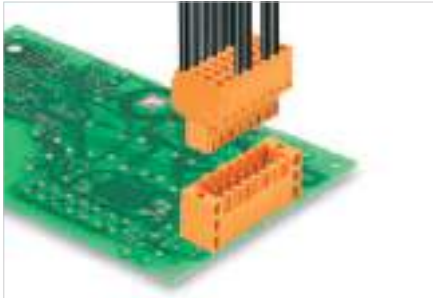
Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
6	7.00	0.276	102	1728470000
8	10.50	0.413	84	1728480000
10	14.00	0.551	72	1728490000
12	17.50	0.689	66	1728500000
14	21.00	0.827	54	1728510000
16	24.50	0.965	48	1728520000
18	28.00	1.102	48	1728530000
20	31.50	1.240	42	1728540000
22	35.00	1.378	36	1728550000
24	38.50	1.516	36	1728560000

For open version, see online catalogue

Double-row connectors in 3.50 mm pitch Series B2L/S2L 3.50

S2L 3.50../180



Straight, double-row male header. Male headers with 3.5 mm pins that are designed for wave soldering and are packaged in a box. The flange version can be screwed on the PCB. The male headers provide space for labelling and can be coded. Available in closed (G) version and with screw flange (LF).

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	10	9
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	80	125 250
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)	B C D		
Rated voltage	V	150	50
Rated current	A	10	10
AWG conductor	AWG	-	
CSA (Use Group)	B C D		
Rated voltage	V	150	
Rated current	A	5	
AWG conductor	AWG		-
General data			
Type of insulation material	PBT		
UL 94 flammability rating	V-0		
Contact base material	Copper alloy		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 250 V / 10 A
UL: 150 V / 10 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

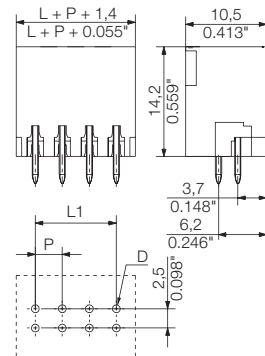
- Additional variants on request
- Gold-plated contact surfaces on request
- Spacing between rows: see hole layout
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

S2L 3.50../180G

closed ends



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
B2L/S2L 3.50 KO OR BX	1849730000
B2L/S2L 3.50 KO BK BX	1849740000
Mounting screw	
PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

Solder pin length		3.5 mm		
Colour	orange			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
6	7.00	0.276	156	1728790000
8	10.50	0.413	120	1728800000
10	14.00	0.551	96	1728810000
12	17.50	0.689	78	1728820000
14	21.00	0.827	66	1728830000
16	24.50	0.965	60	1728840000
18	28.00	1.102	54	1728850000
20	31.50	1.240	48	1728860000
22	35.00	1.378	42	1728870000
24	38.50	1.516	42	1728880000

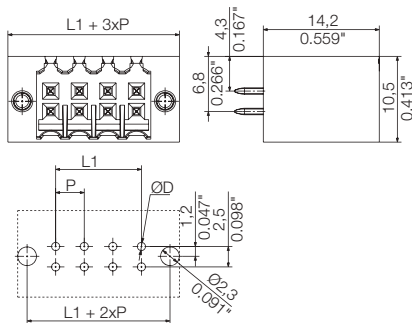
For open version, see online catalogue

S2L 3.50/./180F

with screw flange



Dimensioned drawing



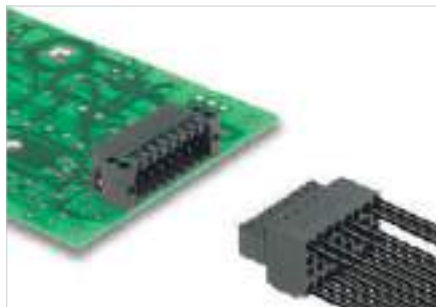
Ordering data

Solder pin length		3.5 mm		
Colour		orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
6	7.00	0.276	102	1729430000
8	10.50	0.413	84	1729440000
10	14.00	0.551	72	1729450000
12	17.50	0.689	66	1729460000
14	21.00	0.827	54	1729470000
16	24.50	0.965	48	1729480000
18	28.00	1.102	48	1729490000
20	31.50	1.240	42	1729500000
22	35.00	1.378	36	1729510000
24	38.50	1.516	36	1729520000

For open version, see online catalogue

Double-row connectors in 3.50 mm pitch Series B2L/S2L 3.50

B2L 3.50/./180 QV



Female plugs with integral cross-connection.

- Cross-connection is positioned vertically between the poles of rows directly on top of each other.
- Tension clamp connection with straight outlet and 3.5 mm pitch.
- Flange (F) and release lever (LH) available.

Product data

IEC: 200 V / 10.6 A / 0.2 - 1 mm²
UL: 150 V / 7 A / AWG 28 - 18



For additional articles and information, refer to catalog.weidmueller.com

Note:

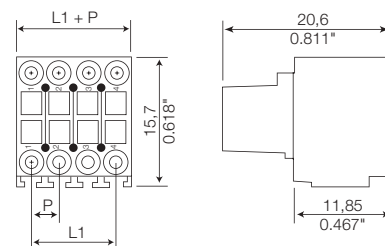
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- We recommend crimp shape A for wire-end ferrules with crimping tool PZ 6/5 (order no. 9011460000) for the larger wire cross-sections.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

B2L 3.50/./180QV

with cross-connection



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1
Solid core H05(07) V-U	mm ²	0.2...1
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1
Flexible with ferrule	mm ²	0.14...0.34
Ferrule with plastic collar	mm ²	0.14...0.34
Stripping length	mm	7
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264

Tightening torque range

Rated current, max. A **10.6** **9.1**

At ambient temperature 20°C 40°C

For conductor cross-section mm² 1

Overvoltage category III III II

Pollution severity 3 2 2

Rated voltage V **80** **160** **200**

Rated impulse voltage kV 1.5 2.5 2.5

UL / CUL (Use Group) B C D

Rated voltage V **150** **50**

Rated current A **7** **7**

AWG conductor AWG **28-18**

CSA (Use Group) B C D

Rated voltage V 300

Rated current A 7

AWG conductor AWG 28-18

General data

Type of insulation material PBT

UL 94 flammability rating V-0

Contact base material Copper alloy

Material of contact surface tinned

Pin dimensions = d mm

Solder eyelet Ø = D mm

Solder eyelet Ø tolerance mm

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
B2L/S2L 3.50 KO OR BX	1849730000
B2L/S2L 3.50 KO BK BX	1849740000

Hood

B2L 3.50 AH06 BK BX	1781560000
B2L 3.50 AH08 BK BX	1781570000
B2L 3.50 AH10 BK BX	1781580000
B2L 3.50 AH12 BK BX	1781590000
B2L 3.50 AH14 BK BX	1781600000
B2L 3.50 AH16 BK BX	1781610000
B2L 3.50 AH18 BK BX	1781620000
B2L 3.50 AH20 BK BX	1781630000
B2L 3.50 AH22 BK BX	1781640000
B2L 3.50 AH24 BK BX	1781650000
B2L 3.50 AH26 BK BX	1781660000
B2L 3.50 AH28 BK BX	1781670000
B2L 3.50 AH30 BK BX	1781680000
B2L 3.50 AH32 BK BX	1781690000
B2L 3.50 AH34 BK BX	1781700000
B2L 3.50 AH36 BK BX	1781710000

Screwdriver

SDS 0.4X2.5X75 2749320000

Pressing tool

PZ 6/5 9011460000

PZ 1.5 9005990000

Ordering data

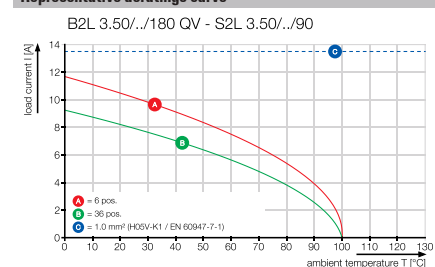
Solder pin length

Colour **black**

Pitch 3.50 mm

Pol.	L1	(inch)	Qty.	Order No.
6	7.00	0.276	174	1944590000
8	10.50	0.413	132	1944600000
10	14.00	0.551	102	1944610000
12	17.50	0.689	84	1944620000
14	21.00	0.827	72	1944630000
16	24.50	0.965	66	1944640000
18	28.00	1.102	54	1944650000

Representative deratings curve

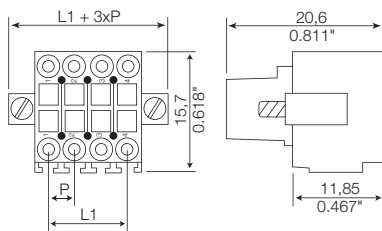


B2L 3.50/./180FQV

with cross-connection and flange



Dimensioned drawing

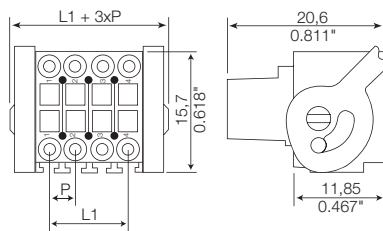


B2L 3.50/./180LHQV

with cross-connection and release lever



Dimensioned drawing



Ordering data

Solder pin length					
Colour					black
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	
6	7.00	0.276	108	1944670000	
8	10.50	0.413	90	1944680000	
10	14.00	0.551	72	1944690000	
12	17.50	0.689	66	1944700000	
14	21.00	0.827	20	1944710000	
16	24.50	0.965	54	1944720000	
18	28.00	1.102	48	1944730000	

Ordering data

Solder pin length					
Colour					black
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	
6	7.00	0.276	108	1944750000	
8	10.50	0.413	90	1944760000	
10	14.00	0.551	72	1944770000	
12	17.50	0.689	66	1944780000	
14	21.00	0.827	20	1944790000	
16	24.50	0.965	54	1944800000	
18	28.00	1.102	48	1944810000	

Excellent design & performance: the single row BL/SL Connector system with 3.50 pitch and the connection of I/Os

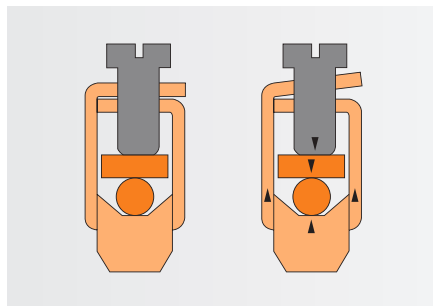
Extensive range of male headers and female plugs that cover different angles to the PCB and conductor angle to the field as well as a large range of accessories make the 3.50 mm pitch very versatile.

Strong in performance and connections, compact in its size:

- Wire cross-sections from 0.20 to 1.5 mm² (AWG 28-14)
- Wire connection without special tools
- More than just extra-low voltages: up to 250 V (IEC) / 300 V (UL)
- More than enough: up to 17 A (IEC) / 10 A (UL)

Reliable connection technology

Decide on the best connection technology such as the service-free standard: Weidmüller clamping yoke connection with 100 % reliability and 100 % work output: steel for strength and copper for current.



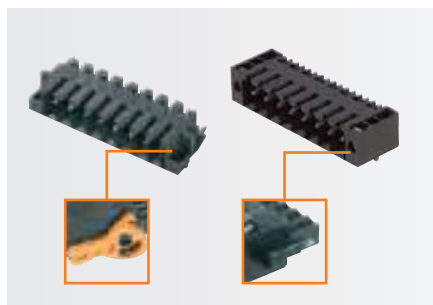
Maximum packing density

Either in a device using double layer male headers SLD or in the field using a 3 row socket connector BL-I/O.



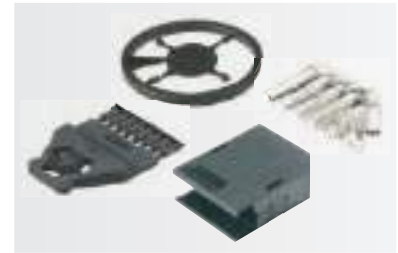
Release latch or screw flange

The release latch guarantees a good connection between the female plug and the device and also, particularly for systems with many pins, ensures an assembly protecting release of the connection. The screw flange creates a vibration and shake-proof connection between the panel connection and the device.



Advanced application possibilities

The extensive range of accessories increases the versatility and permits any desired combination of male headers and female plugs.



Versatile field connection

Choose your individual connection from the classic BL screw connection or the future-proof PUSH IN connection BLF or BL-I/O.



Optimum processing

The tape-on-reel packaging for high temperature-resistant male headers made of LCP guarantees a suitable product for automated processing. The integrated solder flange significantly increases the PCB's stability and replaces the screw that would normally be added later.



J

Efficient connections on smallest footprint BLF 3.5 PUSH IN connector in 3.50 mm pitch

Increasingly complex control systems are required in industrial automation technology. In addition, the cost pressure and the requirements for plant safety are rising. The PUSH IN connector BLF 3.5 sets new standards in order to meet these challenges optimally.

The particularly flat and compact BLF 3.5 has been developed especially for industrial automation technology. Its PUSH IN connection technology, equipped with functional release and locking levers, is suitable for conductor cross sections up to 1.5 mm² and supports a fast and reliable handling during installation and maintenance. A safety rib prevents accidentally pushing the lever when plugging.



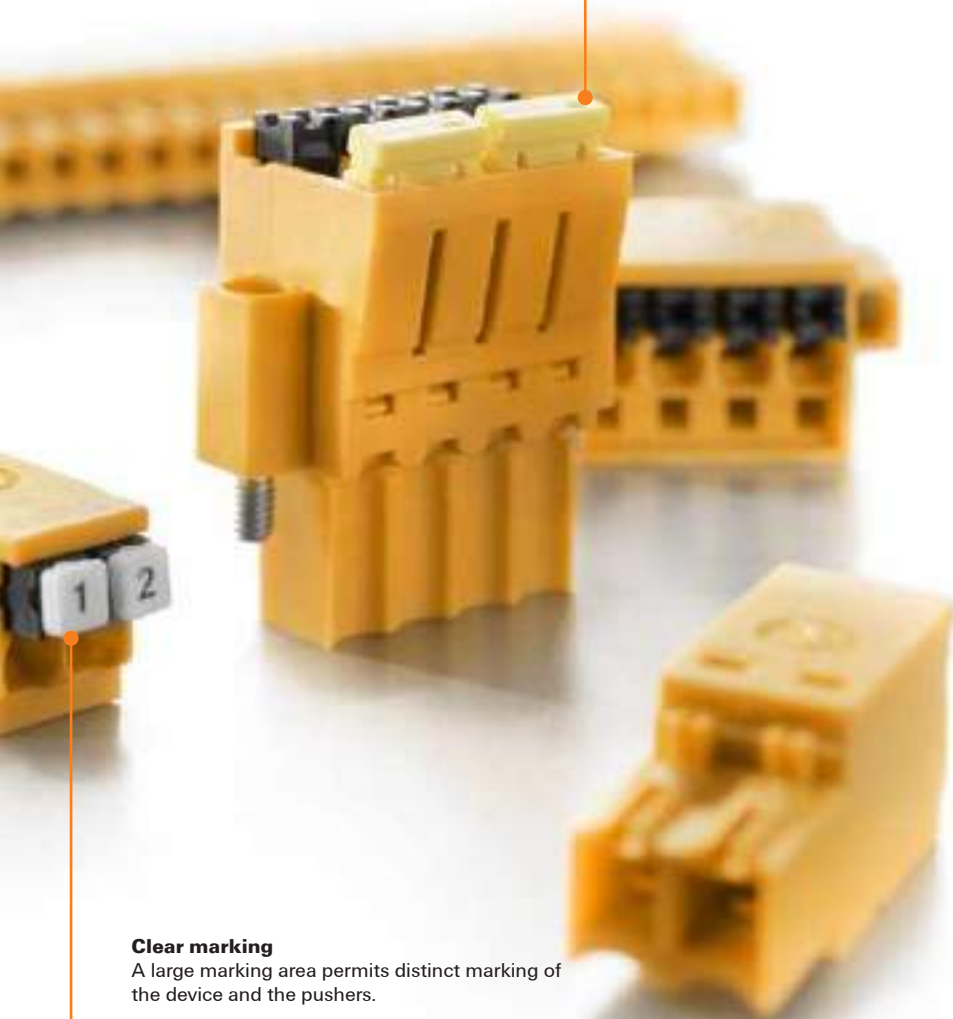
Variable fixing options

The connector has two mounting flanges allowing for two fixing-options. One is via a Lock & Release Lever, and the other is conventional with a screw.



Pluggable cross connection

With the standard accessory ZQV 1.5N/ R3.5/2-4, pluggable cross connections can be established with up to four poles.

**Clear marking**

A large marking area permits distinct marking of the device and the pushers.

**Your special advantages**

- PUSH IN connectors for conductor cross sections up to 1.5 mm²
- High component density thanks to compact design
- Highly visible marking field for labelling
- Integrated mounting flanges
- Strain relief to fix and pull out the wire
- Pluggable cross connection optional



Webcode: #11410

Small – smaller – BL-I/O: minimal size – maximum functionality

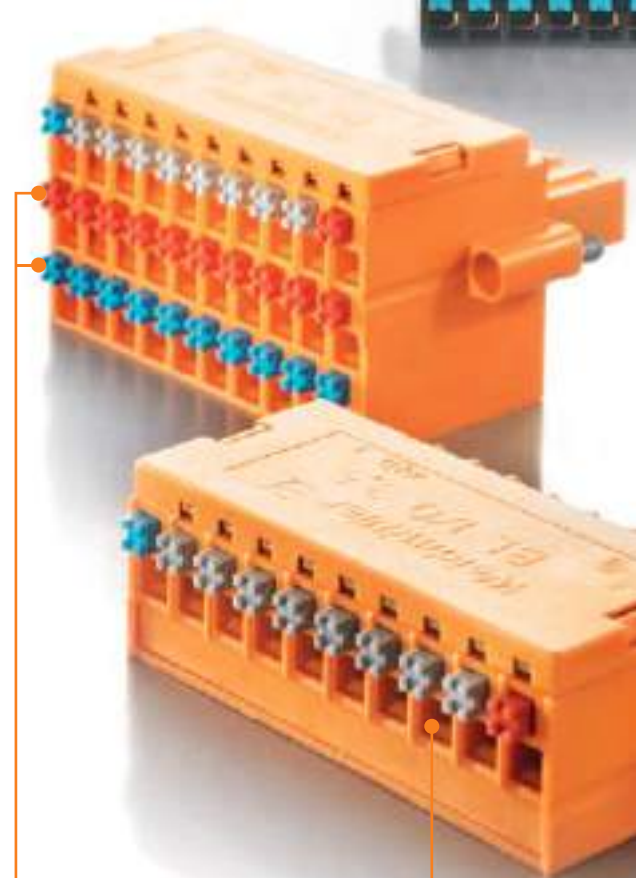
You have a free choice for the field wiring: whether you prefer the compact version with our 3 row female plug BL-I/O 3.50/30-poles or rather conventional systems with terminals or interface modules lowercase's. Since the female plug BL-I/O 3.50 based I/O systems are backwards compatible with existing field connections.

The female plug BL-I/O 3.50 mm pitch is an

- extremely compact,
- 1 or 3 row female plug, suitable for connection of remote sensors and/or actuators
- with integrated LED display
- and integrated cross-connections for potential distribution.

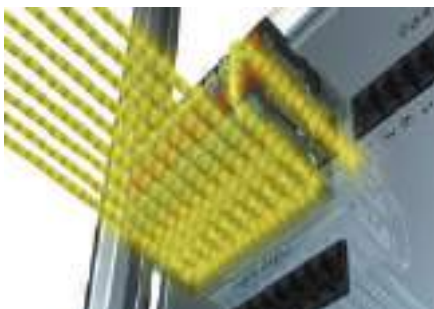
For efficient remote functional units in the field level the female plug BL-I/O 3.50 is a space saving solution to connect I/O components.

Savings from the female connector BL-I/O are apparent in the development and the manufacturing of the PCB. The layout is simplified by 62 % and fewer layers are required.



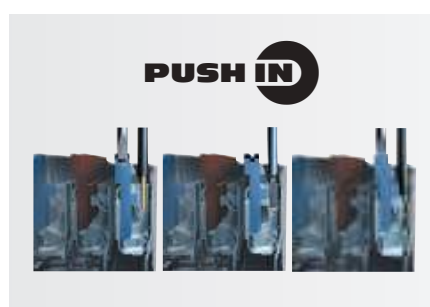
Multiply your potential

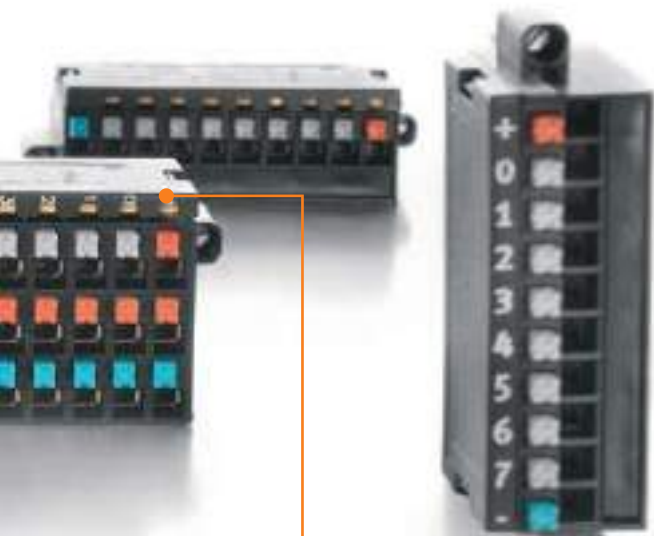
Special cross-connectors, that are integrated into the second and third rows of the female plug, distribute the supply voltage to the individual I/O channels. In this way you can input, transfer or bridge the supply voltage. Thus you can save space with the I/O electronics, and you can reduce your wiring overhead.



... as simple as that

Simply insert solid or flexible conductors with ferrules. The simple pressing of one button opens the terminal connections and allows you to insert the flexible wire without ferrules in no time at all. Disconnecting the wire is just as easy: press the button and pull out the wire.





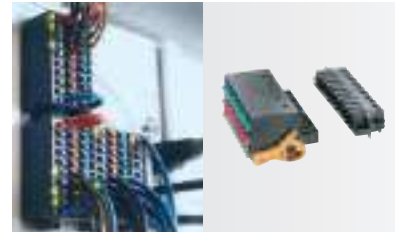
Integrated LEDs

Since power is supplied directly through the female plug BL-I/O 3.50, functional control of the sensor wiring is possible without any additionally connected I/O electronics. That simplifies initial commissioning and also clears up space on the control unit.



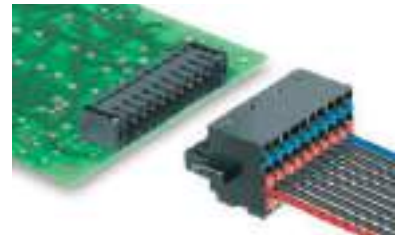
Intuitive locking and releasing

The 3 row female plug BL-I/O 3.50/30/180LR with lock & release lever to allow tool free interlocking and electronic assembly protecting release with the new male header SL-SMT 3.50/10../RF with clip-on flange



Rugged screw flange

The 3 row female plug BL-I/O 3-5/30/180F with screw flange for vibration and shock resistant interlocking in conjunction with the male header SL-SMT 3.50/10../LF with solder flange.



Screwless PCB fastening - suitable for automatic assembly

The male header SL-SMT has a clip-on flange for the release latch and is available as solder flange variant for the screw flange. In both variants the extra solder pin replaces the screw that would have to be added later and significantly increases the mechanical stability to the PCB.



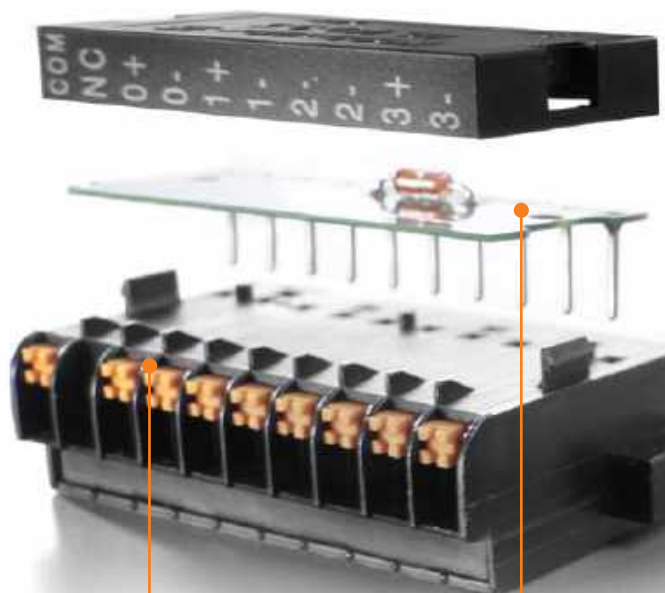
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The industrial PUSH IN smart connection

BL I/O 3.5 CJC connectors with integrated cold junction compensation

Many industrial applications demand increasingly higher accuracy of temperature measurement. At the same time, the required equipment must become cheaper and smaller. For the BL I/O 3.5 CJC, the cold junction compensation is integrated into the connector, which reduces space and costs.

The cold junction compensation of the BL I/O CJC is integrated by a thermistor in the connector. Therefore, no additional compensation is needed when connecting thermocouples to a device to measure the temperature. The integrated compensation simplifies the device and increases the measuring accuracy up to 20 %.



PUSH IN connection up to 1.5 mm²

With the PUSH IN connection technology, the conductor connection becomes tool-free. Solid conductors or flexible conductors with wire end ferrules are easily inserted.



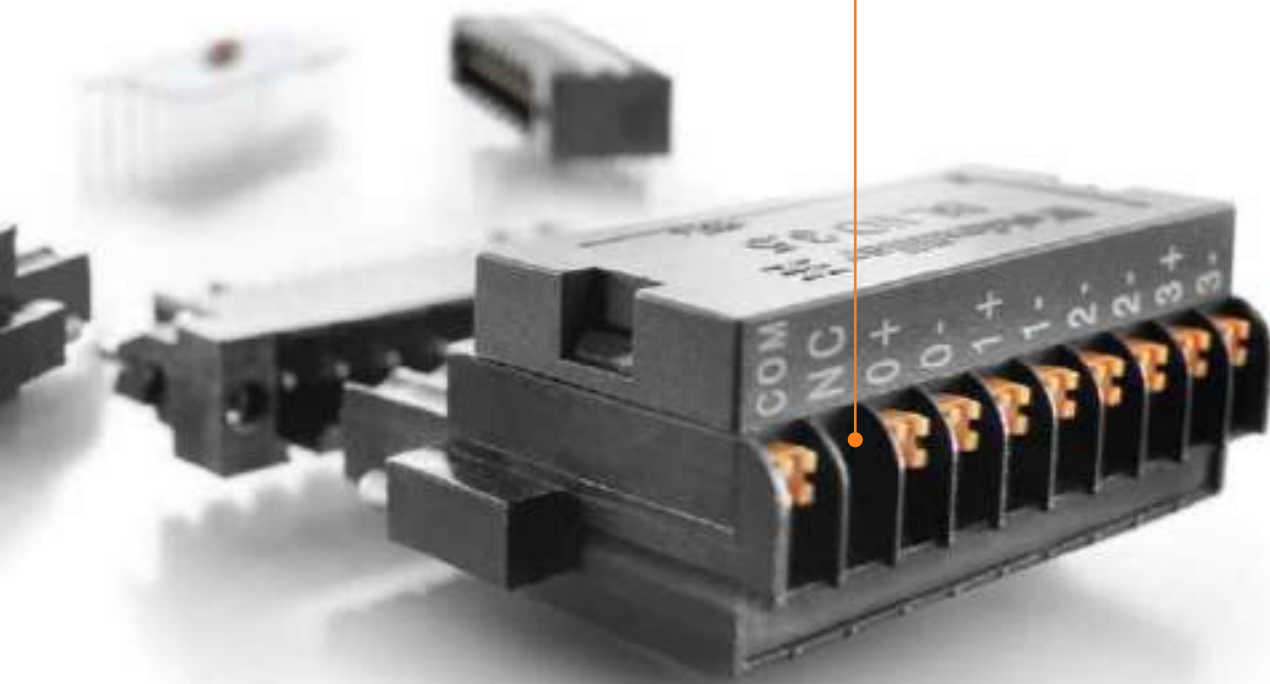
Integrated thermistor

Cold junction compensation by integrated thermistor, to have a higher precision measuring up to 20 %. This helps for an easy device design







Clear marking

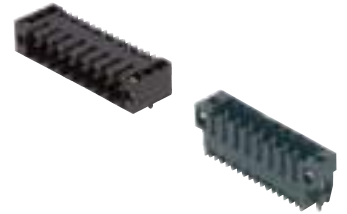
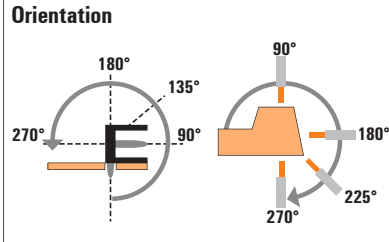
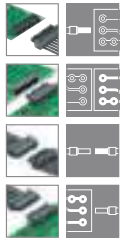
The large marking area supports a distinct and legible marking.

**Your special advantages**

- PUSH IN connector for conductor cross sections up to 1.5 mm²
- Cold junction compensation for the connection of thermocouples
- Up to four measuring connections for thermocouples
- High component density in a compact design
- Clearly visible marking area for labels
- Integrated mounting flanges

<http://www.OMNIMATE.net>















-  = Wire-to-Board
-  = Board-to-Board
-  = Wire-to-Wire
-  = Board-to-Wire



BL/SL 3.50 series



Type	Levels	
	1	
	SL-SMT	SL-SMT
	Orientation	90°
Flange options	G/F/LF/RF	G/F/LF
IEC / UL	IEC: 320 V/15 A UL: 300 V/10 A	IEC: 320 V/15 A UL: 300 V/10 A

Female plug	Type	Orientation	Flange options	IEC / UL	Levels	
					SL-SMT	SL-SMT
Clamping yoke	BL	180°	(G)/F/LH/LR	IEC: 320 V/17 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 14		
	BL	90°	(G)/F	IEC: 320 V/12 A/0.2 - 1.5 mm ² UL: 300 V/8 A/AWG 28 - 14		
	BL	270°	(G)/F	IEC: 320 V/12 A/0.2 - 1.5 mm ² UL: 300 V/8 A/AWG 28 - 14		
PUSH IN	BLF	180°	(G)/F/LH/LR	IEC: 320 V/14.5 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 26 - 14		
	BL-I/O 10 Pole	180°	F/LR/FP	IEC: 200 V/2.2 A/0.2 - 1.0 mm ² UL: ≤ 200 V/5 A/AWG 22 - 16		
Spring PUSH IN	BL-I/O 30 Pole	180°	F/LR/FP	IEC: 200 V/2.2 A/0.2 - 1.0 mm ² UL: ≤ 200 V/5 A/AWG 22 - 16		
	BLL	180°	(G)	IEC: 320 V/15.1 A UL: 300 V/10 A		

Female plug:
 (G)* = Closed (without flange)
 F = Screw flange with screw
 LH = Release lever
 LR = Lock & Release lever
 FP = shifted flange

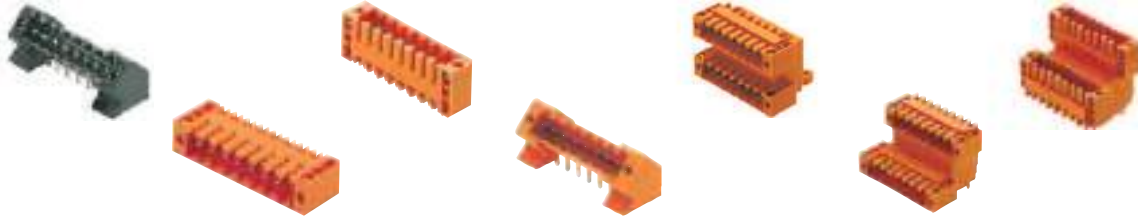
Male header:
 (O)* = open
 G = Closed (without flange)
 F = Flange with nut
 LF = Solder flange with nut
 RF = Locking flange for LR with solder pin

* not included in the article description

Male header



Solder connection



1		1			2		
SL-THR	SL	SL	SL	SLD	SLD V	SLD V	
135°	90°	180°	135°	90°	90°	180°	
F	(O)/G/F	(O)/G/F	F	G/F	G/F	G/F	
IEC: 320 V/15 A UL: 300 V/10 A	IEC: 320 V/15 A UL: 300 V/10 A	IEC: 320 V/15 A UL: 300 V/10 A	IEC: 320 V/15 A UL: 300 V/10 A	IEC: 200 V/10.5 A UL: 300 V/8 A	IEC: 200 V/10.5 A UL: 300 V/8 A	IEC: 200 V/10.5 A UL: 300 V/8 A	
○	○	○	○	○	○	○	
○	○	○	○	○	○	○	
○	○	○	○	○	○	○	
○	○	○	○	○	○	○	
○	○	○	○	○	○	○	
○	○	○	○	○	○	○	
●	●	●	●	●	●	●	

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SL-SMT 3.50/./90



High-temperature-resistant, angled, male header for all common soldering methods in 3.5 mm pitch.

- Optimised for SMT processing.
- 3.2 mm older pin suitable for reflow and wave soldering.
- The Male headers provide space for labelling and can be coded.
- Available in closed (G) version and with solder flange (LF).
- Packed either in box (BX) or on tape-on-reel (RL).

Product data

IEC: 320 V / 15 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmuller.com

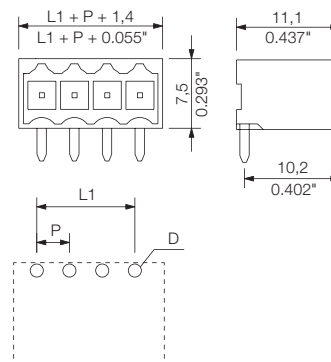
Note:

- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Solder eyelet diameter $D = 1.5 \pm 0.1$ mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

SL-SMT 3.50/./90G Box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	15	13
At ambient temperature		20°C	40°C
For conductor cross-section		III	III
Overvoltage category		3	2
Pollution severity		3	2
Rated voltage	V	160	160
Rated impulse voltage	kV	2.5	2.5
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	-	-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BL SL 3.5 KO OR	1693430000
BL SL 3.5 KO SW	1610100000
Interlock	
BL/SL 3.50 VR OR BX	1669310000
BL/SL 3.50 VR BK BX	1669300000
LED light guide	
SL 3.5 FLA 1.5/8	1597510000
SL 3.5 FLA 2.3/8	1597520000
SL 3.5 FLA 4.0/8	1597530000
SL 3.5 FLA 1.5/1.75/8	1597630000
SL 3.5 FLA 2.3/1.75/8	1597640000
SL 3.5 FLA 4.0/1.75/8	1597650000
Mounting screw	
PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

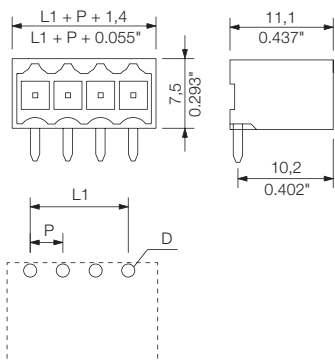
Solder pin length		3.2 mm		
Colour		black		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1841630000
3	7.00	0.276	100	1841640000
4	10.50	0.413	100	1841650000
5	14.00	0.551	50	1841660000
6	17.50	0.689	50	1841670000
7	21.00	0.827	50	1841680000
8	24.50	0.965	50	1841690000
9	28.00	1.102	50	1841700000
10	31.50	1.240	50	1841710000
11	35.00	1.378	50	1841720000
12	38.50	1.516	50	1841730000

SL-SMT 3.50/./90G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm	
Colour		black	
Pitch		3.50 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	3.50	0.138	385 1761544002
3	7.00	0.276	385 1761554002
4	10.50	0.413	385 1761564001
5	14.00	0.551	385 1761574002
6	17.50	0.689	385 1761584001
7	21.00	0.827	385 1761594001
8	24.50	0.965	385 1761604001
9	28.00	1.102	385 1761614001
10	31.50	1.240	385 1761624001
11	35.00	1.378	385 1761634001

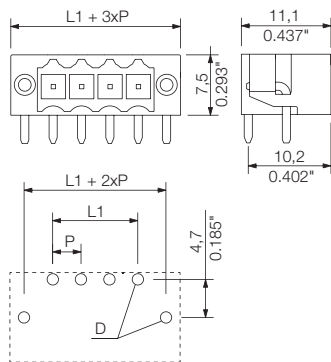
Tape widths: 32, 44, 56, 72, 88

SL-SMT 3.50/./90LF Box

closed side; tape-on-reel



Dimensioned drawing



Ordering data

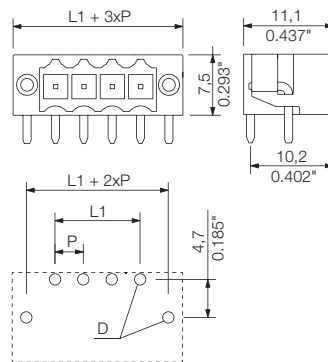
Solder pin length		3.2 mm	
Colour		black	
Pitch		3.50 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	3.50	0.138	132 1841860000
3	7.00	0.276	102 1841870000
4	10.50	0.413	84 1841880000
5	14.00	0.551	72 1841890000
6	17.50	0.689	66 1841900000
7	21.00	0.827	54 1841910000
8	24.50	0.965	48 1841920000
9	28.00	1.102	48 1841930000
10	31.50	1.240	42 1841940000
11	35.00	1.378	36 1841950000
12	38.50	1.516	36 1804340000

SL-SMT 3.50/./90LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm	
Colour		black	
Pitch		3.50 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	3.50	0.138	385 1805310000
3	7.00	0.276	385 1805320000
4	10.50	0.413	385 1805330000
5	14.00	0.551	385 1805340000
6	17.50	0.689	385 1805350000
7	21.00	0.827	385 1805360000
8	24.50	0.965	385 1805370000
9	28.00	1.102	385 1805380000
10	31.50	1.240	385 1005180000

Tape widths: 32, 44, 56, 72, 88

SL-SMT 3.50/./ F & RF



High-temperature-resistant, straight and angled, male header for all common soldering methods in 3.5 mm pitch.

- Optimised for the SMT processing.
- 3.2 mm solder pin suitable for reflow and wave soldering.
- Available with screw flange (F) and with solder flange for lock and release lever (RF).

Product data

IEC: 320 V / 15 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

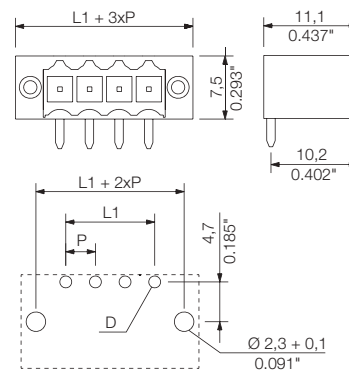
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Solder eyelet diameter $D = 1.5 \pm 0.1$ mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For additional mechanical support for male connectors with screw flange (...F), we recommend an additional cable gland with fastening screws (sheet metal screw ISO 1481-ST 2.2x4.5 C or ISO 7049-ST 2.2x4.5 C - see Accessories). Cable gland only permitted before soldering.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

SL-SMT 3.50/./90F Box

with screw flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	15	13
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
General data			
Type of insulation material	LCP GF		
UL 94 flammability rating	V-0		
Contact base material	CuSn		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.2	Octagonal
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR OR BX	1669310000
	BL/SL 3.50 VR BK BX	1669300000
LED light guide		
	SL 3.5 FLA 1.5/8	1597510000
	SL 3.5 FLA 2.3/8	1597520000
	SL 3.5 FLA 4.0/8	1597530000
	SL 3.5 FLA 1.5/1.75/8	1597630000
	SL 3.5 FLA 2.3/1.75/8	1597640000
	SL 3.5 FLA 4.0/1.75/8	1597650000

Ordering data

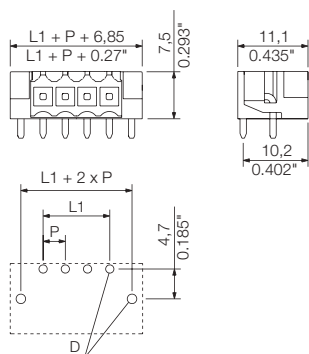
Solder pin length		3.2 mm		
Colour	black			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	132	1842080000
3	7.00	0.276	102	1842090000
4	10.50	0.413	84	1842100000
5	14.00	0.551	72	1842110000
6	17.50	0.689	66	1842120000
7	21.00	0.827	54	1842130000
8	24.50	0.965	48	1842140000
9	28.00	1.102	48	1842150000
10	31.50	1.240	42	1842160000
11	35.00	1.378	36	1842170000
12	38.50	1.516	36	1842180000

SL-SMT 3.50/./90RF Box

with snap-on solder flange



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm		
Colour		black		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1379610000
3	7.00	0.276	100	1060810000
4	10.50	0.413	100	1000600000
5	14.00	0.551	50	1000610000
6	17.50	0.689	50	1000620000
7	21.00	0.827	50	1000630000
8	24.50	0.965	50	1000640000
9	28.00	1.102	50	1000650000
10	31.50	1.240	50	1060780000
11	35.00	1.378	50	1000660000
12	38.50	1.516	50	1000670000

Compatible with release latch (LR)

SL-SMT 3.50/./180



High-temperature-resistant, straight (180°) male header for all common soldering methods in 3.50 mm pitch. Optimised for the SMT process. Packed in box or tape. Pin length 1.5 mm optimised for reflow soldering methods. Pin length 3.2 mm universal for all soldering methods. The male connectors provide space for labelling and can be coded.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	15	13
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	-	
CSA (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	-	
General data			
Type of insulation material	LCP GF		
UL 94 flammability rating	V-0		
Contact base material	CuSn		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 15 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

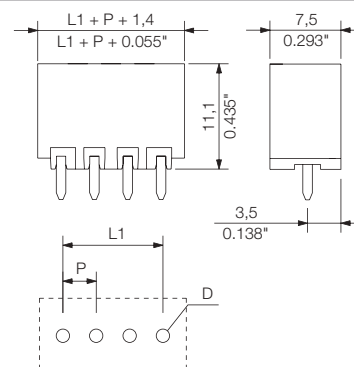
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Solder eyelet diameter $D = 1.5 \pm 0.1$ mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

SL SMT 3.50/./180G Box

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR OR BX	1669310000
	BL/SL 3.50 VR BK BX	1669300000

Ordering data

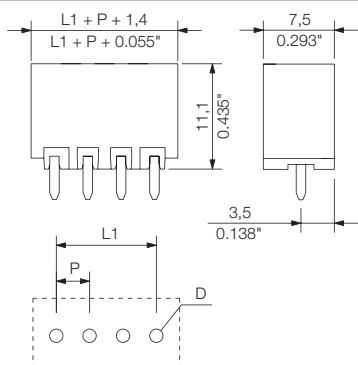
Solder pin length		3.2 mm		
Colour		black		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1842320000
3	7.00	0.276	100	1842330000
4	10.50	0.413	100	1842340000
5	14.00	0.551	50	1842350000
6	17.50	0.689	50	1842360000
7	21.00	0.827	50	1842370000
8	24.50	0.965	50	1842380000
9	28.00	1.102	50	1842390000
10	31.50	1.240	50	1836990000
11	35.00	1.378	50	1842400000
12	38.50	1.516	50	1842410000

SL SMT 3.50/./180G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm	
Colour		black	
Pitch		3.50 mm	
Pol.	L1	(inch)	Qty. Order No.
2	3.50	0.138	265 1752984002
3	7.00	0.276	265 1752994002
4	10.50	0.413	265 1753004002
5	14.00	0.551	265 1753014002
6	17.50	0.689	265 1753024001
7	21.00	0.827	265 1753034001
8	24.50	0.965	265 1753044001
9	28.00	1.102	265 1753054001
10	31.50	1.240	265 1753064001
11	35.00	1.378	265 1753074001

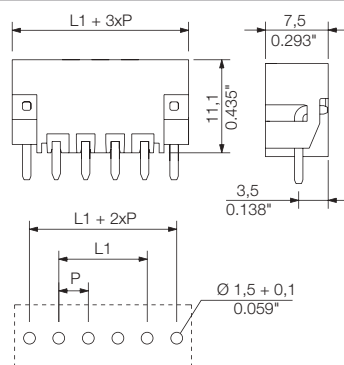
Tape widths: 32, 44, 56, 72, 88

SL SMT 3.50/./180LF Box

with solder flange



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm	
Colour		black	
Pitch		3.50 mm	
Pol.	L1	(inch)	Qty. Order No.
2	3.50	0.138	132 1842540000
3	7.00	0.276	102 1842550000
4	10.50	0.413	84 1842560000
5	14.00	0.551	72 1842570000
6	17.50	0.689	66 1842580000
7	21.00	0.827	54 1842590000
8	24.50	0.965	48 1842600000
9	28.00	1.102	48 1842610000
10	31.50	1.240	42 1842620000
11	35.00	1.378	36 1842630000
12	38.50	1.516	36 1842640000

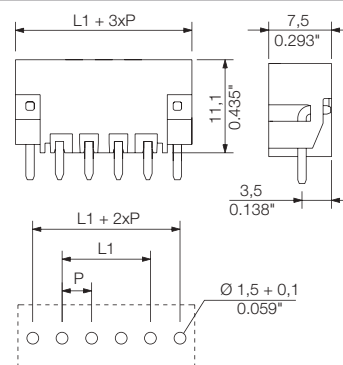
Tape widths: 32, 44, 56, 72, 88

SL SMT 3.50/./180LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



Ordering data

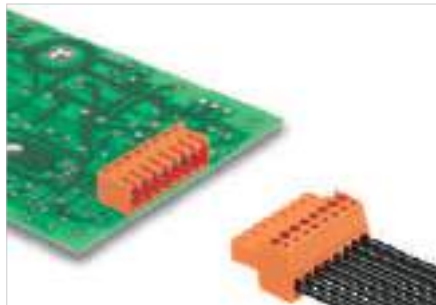
Solder pin length		1.5 mm	
Colour		black	
Pitch		3.50 mm	
Pol.	L1	(inch)	Qty. Order No.
2	3.50	0.138	265 1805210000
3	7.00	0.276	265 1805230000
4	10.50	0.413	265 1805240000
5	14.00	0.551	265 1805250000
6	17.50	0.689	265 1805270000
7	21.00	0.827	265 1805280000
8	24.50	0.965	265 1805290000
9	28.00	1.102	265 1805300000
10	31.50	1.240	265 1936340000

Tape widths: 32, 44, 56, 72, 88

J

Connectors in 3.50 mm pitch Series BL/SL 3.50

SL 3.50/./90



Angled male header (90° orientation) for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions. Packed in cardboard box.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17	14.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
General data			
Type of insulation material	PBT		
UL 94 flammability rating	V-0		
Contact base material	CuSn		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

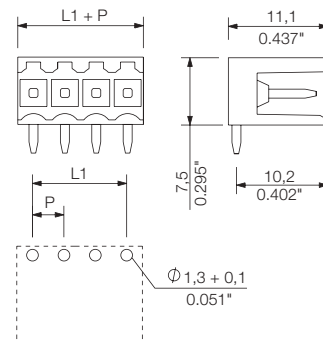
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

SL 3.50/./90

open side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BL SL 3.5 KO OR	1693430000
BL SL 3.5 KO SW	1610100000
Interlock	
BL/SL 3.50 VR OR BX	1669310000
BL/SL 3.50 VR BK BX	1669300000
LED light guide	
SL 3.5 FLA 1.5/8	1597510000
SL 3.5 FLA 2.3/8	1597520000
SL 3.5 FLA 4.0/8	1597530000
SL 3.5 FLA 1.5/1.75/8	1597630000
SL 3.5 FLA 2.3/1.75/8	1597640000
SL 3.5 FLA 4.0/1.75/8	1597650000
Mounting screw	
PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1597210000
3	7.00	0.276	100	1597220000
4	10.50	0.413	100	1597230000
5	14.00	0.551	50	1597240000
6	17.50	0.689	50	1597250000
7	21.00	0.827	50	1597260000
8	24.50	0.965	50	1597270000
9	28.00	1.102	50	1597280000
10	31.50	1.240	50	1597290000
11	35.00	1.378	50	1597300000
12	38.50	1.516	50	1597310000

J

3.50

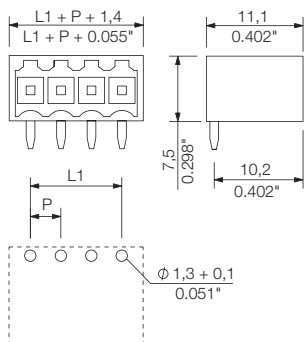
90°

SL 3.50/./90G

closed side



Dimensioned drawing



Ordering data

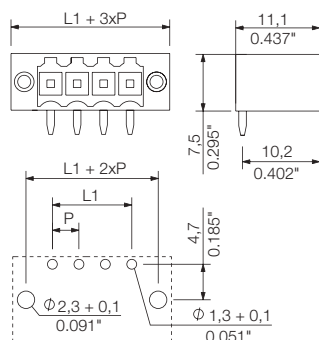
Solder pin length		3.2 mm			
Colour		orange			
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	3.50	0.138	100	1605070000	
3	7.00	0.276	100	1605080000	
4	10.50	0.413	100	1605090000	
5	14.00	0.551	50	1605100000	
6	17.50	0.689	50	1605110000	
7	21.00	0.827	50	1605120000	
8	24.50	0.965	50	1605130000	
9	28.00	1.102	50	1605140000	
10	31.50	1.240	50	1605150000	
11	35.00	1.378	50	1605160000	
12	38.50	1.516	50	1605170000	

SL 3.50/./90F

with screw flange



Dimensioned drawing

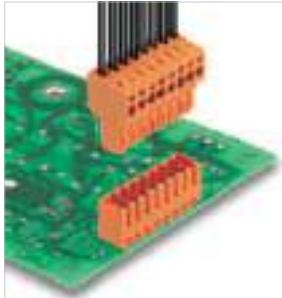


Ordering data

Solder pin length		3.2 mm			
Colour		orange			
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	3.50	0.138	100	1607040000	
3	7.00	0.276	100	1607050000	
4	10.50	0.413	100	1607060000	
5	14.00	0.551	50	1607070000	
6	17.50	0.689	50	1607080000	
7	21.00	0.827	50	1607090000	
8	24.50	0.965	50	1607100000	
9	28.00	1.102	50	1607110000	
10	31.50	1.240	50	1607120000	
11	35.00	1.378	50	1607130000	
12	38.50	1.516	50	1607140000	

Connectors in 3.50 mm pitch Series BL/SL 3.50

SL 3.50/./180



Straight male header (180° orientation) for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions. Packed in cardboard box.

Product data

IEC: 320 V / 17 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

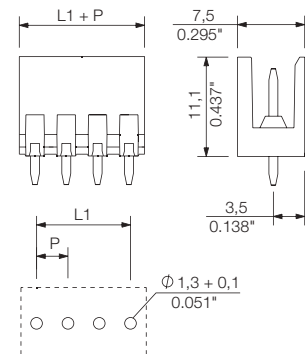
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

SL 3.50/./180

open side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17	14.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR OR BX	1669310000
	BL/SL 3.50 VR BK BX	1669300000
Mounting screw		
	PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1604770000
3	7.00	0.276	100	1604780000
4	10.50	0.413	100	1604790000
5	14.00	0.551	50	1604800000
6	17.50	0.689	50	1604810000
7	21.00	0.827	50	1604820000
8	24.50	0.965	50	1604830000
9	28.00	1.102	50	1604840000
10	31.50	1.240	50	1604850000
11	35.00	1.378	50	1604860000
12	38.50	1.516	50	1604870000

J

3.50

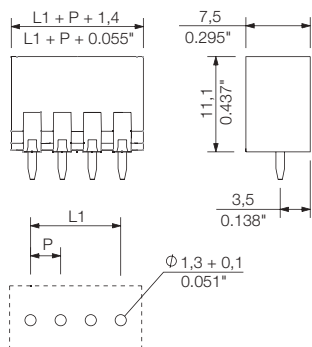
180°

SL 3.50/././180G

closed side



Dimensioned drawing



Ordering data

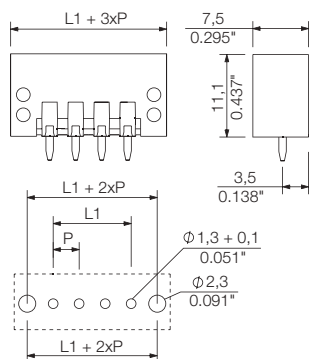
Solder pin length		3.2 mm			
Colour		orange			
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	3.50	0.138	100	1604470000	
3	7.00	0.276	100	1604480000	
4	10.50	0.413	100	1604490000	
5	14.00	0.551	50	1604500000	
6	17.50	0.689	50	1604510000	
7	21.00	0.827	50	1604520000	
8	24.50	0.965	50	1604530000	
9	28.00	1.102	50	1604540000	
10	31.50	1.240	50	1604550000	
11	35.00	1.378	50	1604560000	
12	38.50	1.516	50	1604570000	

SL 3.50/././180F

with screw flange



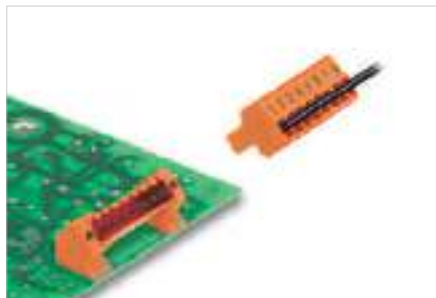
Dimensioned drawing



Ordering data

Solder pin length		3.2 mm			
Colour		orange			
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	3.50	0.138	100	1607500000	
3	7.00	0.276	100	1607510000	
4	10.50	0.413	100	1607520000	
5	14.00	0.551	50	1607530000	
6	17.50	0.689	50	1607540000	
7	21.00	0.827	50	1607550000	
8	24.50	0.965	50	1607560000	
9	28.00	1.102	50	1607570000	
10	31.50	1.240	50	1607580000	
11	35.00	1.378	50	1607590000	
12	38.50	1.516	50	1607600000	

SL 3.50/././135



Angled male header (135° orientation) for wave soldering in 3.5 mm pitch. The male header is available in closed (G) and flange (F) versions.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	15	13
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 15 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

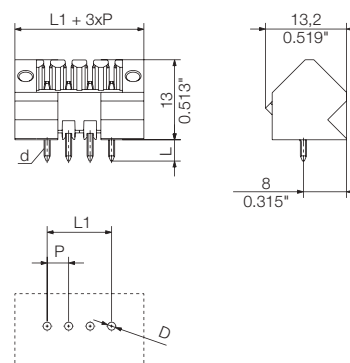
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

SL 3.50/././135F

with screw flange





Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR OR BX	1669310000
	BL/SL 3.50 VR BK BX	1669300000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	132	1643330000
3	7.00	0.276	102	1643340000
4	10.50	0.413	84	1643350000
5	14.00	0.551	72	1643360000
6	17.50	0.689	66	1643370000
7	21.00	0.827	54	1643380000
8	24.50	0.965	48	1643390000
9	28.00	1.102	48	1643400000
10	31.50	1.240	42	1643410000
11	35.00	1.378	36	1643420000
12	38.50	1.516	36	1643430000

SL-THR 3.50/././135



High-temperature-resistant, 135° angled, male header for all common soldering methods in 3.5 mm pitch. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	15	13
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 15 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

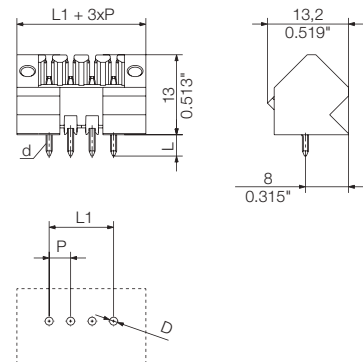
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Solder eyelet diameter $D = 1.5 \pm 0.1$ mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

SL-THR 3.50/././135F

with screw flange





Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

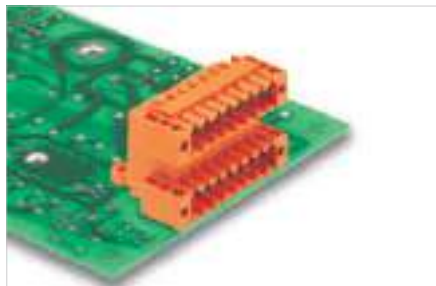
Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR OR BX	1669310000
	BL/SL 3.50 VR BK BX	1669300000

Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	132	1003510000
3	7.00	0.276	102	1003520000
4	10.50	0.413	84	1003530000
5	14.00	0.551	72	1003540000
6	17.50	0.689	66	1003550000
7	21.00	0.827	54	1003560000
8	24.50	0.965	48	1003570000
9	28.00	1.102	48	1003580000
10	31.50	1.240	42	1003590000
11	35.00	1.378	36	1003600000
12	38.50	1.516	36	1003620000

Connectors in 3.50 mm pitch Series BL/SL 3.50

SLD 3.50/./90



Double-level, angled male header (90° orientation) for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions.

Product data

IEC: 200 V / 10.5 A
UL: 300 V / 8 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

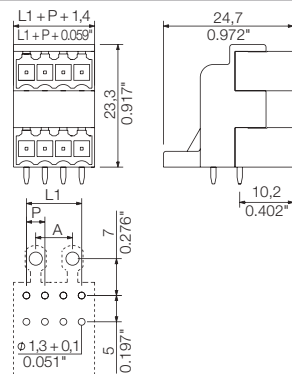
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

SLD 3.50/./90G

closed side



Dimensioned drawing




Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	10.5	9
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	125 160 200	
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B C D	
Rated voltage	V	300	300
Rated current	A	8	8
AWG conductor	AWG		-
CSA (Use Group)		B C D	
Rated voltage	V	300	300
Rated current	A	8	8
AWG conductor	AWG		-
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	50	1633580000
6	7.00	0.276	50	1633590000
8	10.50	0.413	50	1633600000
10	14.00	0.551	50	1633610000
12	17.50	0.689	50	1633620000
14	21.00	0.827	20	1633630000
16	24.50	0.965	20	1633640000
18	28.00	1.102	20	1633650000
20	31.50	1.240	20	1633660000
22	35.00	1.378	10	1633670000
24	38.50	1.516	10	1633680000

J

3.50

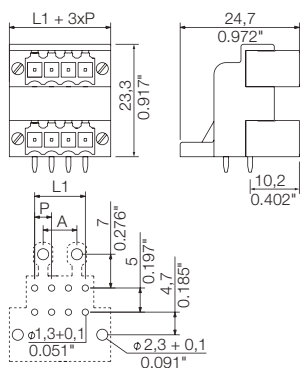
90°

SLD 3.50/./90F

with screw flange



Dimensioned drawing

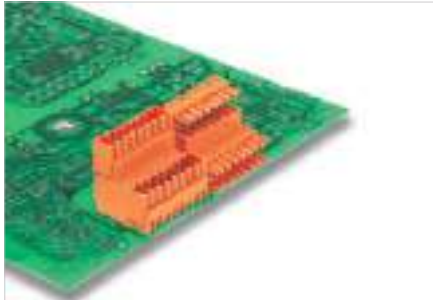


Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	50	1633810000
6	7.00	0.276	50	1633820000
8	10.50	0.413	50	1633830000
10	14.00	0.551	50	1633840000
12	17.50	0.689	50	1633850000
14	21.00	0.827	20	1633860000
16	24.50	0.965	20	1633870000
18	28.00	1.102	20	1633880000
20	31.50	1.240	20	1633890000
22	35.00	1.378	10	1633900000
24	38.50	1.516	10	1633910000

Connectors in 3.50 mm pitch Series BL/SL 3.50

SLD 3.50V../90



Double-level, staggered male header with angled 90° wire outlet for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	10.5	9
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	125 160 200	
Rated impulse voltage	kV	2.5 2.5 2.5	
UL / CUL (Use Group)		B C D	
Rated voltage	V	300 300	
Rated current	A	8 8	
AWG conductor	AWG	-	
CSA (Use Group)		B C D	
Rated voltage	V	300	300
Rated current	A	8	8
AWG conductor	AWG	-	
General data			
Type of insulation material	PBT		
UL 94 flammability rating	V-0		
Contact base material	CuSn		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 200 V / 10.5 A
UL: 300 V / 8 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

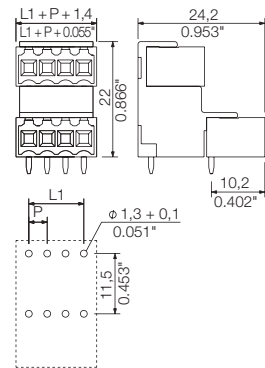
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

SLD 3.50V../90G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	50	1642240000
6	7.00	0.276	50	1890600000
8	10.50	0.413	50	1642250000
10	14.00	0.551	50	1866770000
12	17.50	0.689	50	1642260000
14	21.00	0.827	20	1890610000
16	24.50	0.965	20	1642270000
18	28.00	1.102	20	1890620000
20	31.50	1.240	20	1642280000
22	35.00	1.378	10	1669650000
24	38.50	1.516	10	1642290000

J

3.50

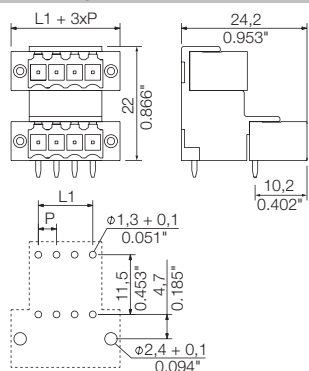
90°

SLD 3.50V../90F

with screw flange



Dimensioned drawing

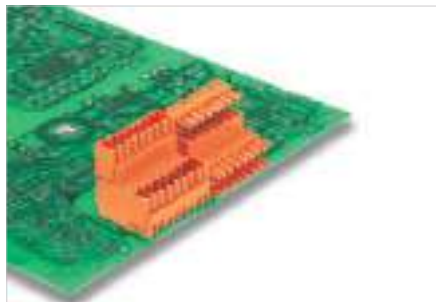


Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	50	1642370000
6	7.00	0.276	50	1890790000
8	10.50	0.413	50	1642380000
10	14.00	0.551	50	1890800000
12	17.50	0.689	50	1642390000
14	21.00	0.827	20	1890810000
16	24.50	0.965	20	1642400000
18	28.00	1.102	20	1890820000
20	31.50	1.240	20	1642410000
22	35.00	1.378	10	1669660000
24	38.50	1.516	10	1642420000

Connectors in 3.50 mm pitch Series BL/SL 3.50

SLD 3.50V../180



Double-level, staggered male header with straight 180° wire outlet for wave soldering in 3.5 mm pitch. The male header is available in closed (G) and flange (F) versions.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	10.5	9
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	125	160 200
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	8	8
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	8	8
AWG conductor	AWG		-
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 200 V / 10.5 A

UL: 300 V / 8 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

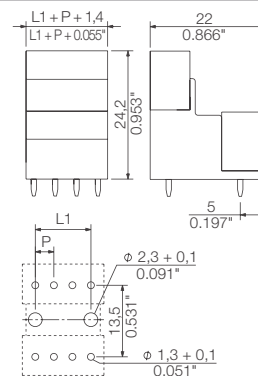
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

SLD 3.50V../180G

closed side




Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000

Ordering data

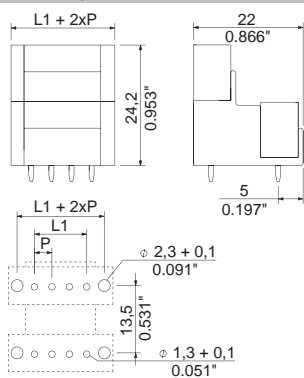
Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	50	1641110000
6	7.00	0.276	50	1891190000
8	10.50	0.413	50	1641120000
10	14.00	0.551	50	1891200000
12	17.50	0.689	50	1641130000
16	24.50	0.965	20	1641140000
20	31.50	1.240	20	1641150000
24	38.50	1.516	10	1641160000

SLD 3.50V../180F

with screw flange



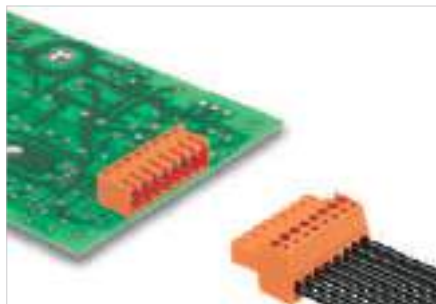
Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	50	1641240000
6	7.00	0.276	50	1891060000
8	10.50	0.413	50	1641250000
10	14.00	0.551	50	1891070000
12	17.50	0.689	50	1641260000
14	21.00	0.827	20	1891080000
16	24.50	0.965	20	1641270000
18	28.00	1.102	20	1891090000
20	31.50	1.240	20	1641280000
22	35.00	1.378	20	1891100000
24	38.50	1.516	10	1641290000

BL 3.50../180



Female plug with clamping-yoke screw system for connecting wires with straight outlet direction in 3.5 mm pitch. Available with a screw flange (F), release lever (LH) or lock and release lever (LR). They include space for labelling and can be coded.

Product data

IEC: 320 V / 17 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmuller.com

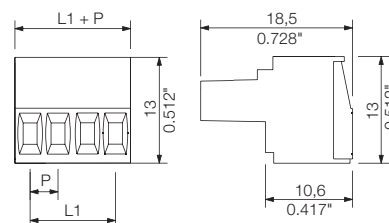
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

BL 3.50../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...1.5	
Solid core H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.2...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.4 x 2.5	
		According to norm	
Tightening torque range			
Rated current, max.	A	17	14.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

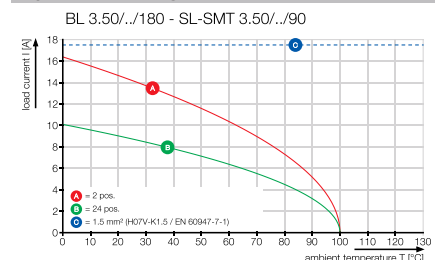
Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Hood		
	BL 3.50 AH03 BK BX	1745580000
	BL 3.50 AH04 BK BX	1745590000
	BL 3.50 AH05 BK BX	1745600000
	BL 3.50 AH06 BK BX	1745610000
	BL 3.50 AH07 BK BX	1745620000
	BL 3.50 AH08 BK BX	1745630000
	BL 3.50 AH09 BK BX	1745640000
	BL 3.50 AH10 BK BX	1745650000
	BL 3.50 AH11 BK BX	1745660000
	BL 3.50 AH12 BK BX	1745670000
	BL 3.50 AH13 BK BX	1745680000
	BL 3.50 AH14 BK BX	1745690000
	BL 3.50 AH15 BK BX	1745700000
	BL 3.50 AH16 BK BX	1745710000
Strain relief		
	BL 3.50 ZE03 OR BX	1629680000
	BL 3.50 ZE03 BK BX	1627820000
	BL 3.50 ZE08 OR BX	1629690000
Interlock		
	BL/SL 3.50 VR OR BX	1669310000
	BL/SL 3.50 VR BK BX	1669300000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length					
Colour	orange				
Pitch	3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	3.50	0.138	264	1597360000	
3	7.00	0.276	174	1597370000	
4	10.50	0.413	132	1597380000	
5	14.00	0.551	102	1597390000	
6	17.50	0.689	84	1597400000	
7	21.00	0.827	72	1597410000	
8	24.50	0.965	66	1597420000	
9	28.00	1.102	54	1597430000	
10	31.50	1.240	48	1597440000	
11	35.00	1.378	48	1597450000	
12	38.50	1.516	42	1597460000	

Representative deratings curve

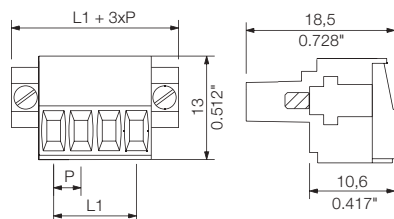


BL 3.50/././180F

with screw flange



Dimensioned drawing



Ordering data

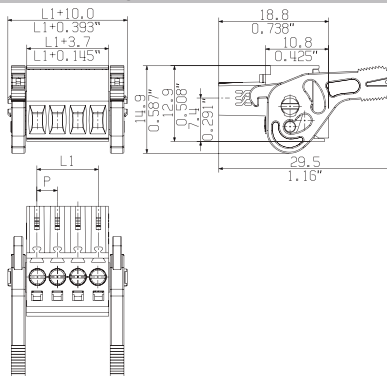
Solder pin length					
Colour		orange			
Pitch	3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	3.50	0.138	132	1606640000	
3	7.00	0.276	102	1606650000	
4	10.50	0.413	84	1606660000	
5	14.00	0.551	72	1606670000	
6	17.50	0.689	66	1606680000	
7	21.00	0.827	54	1606690000	
8	24.50	0.965	48	1606700000	
9	28.00	1.102	48	1606710000	
10	31.50	1.240	42	1606720000	
11	35.00	1.378	36	1606730000	
12	38.50	1.516	36	1606740000	

BL 3.50/././180LR

with release latch



Dimensioned drawing



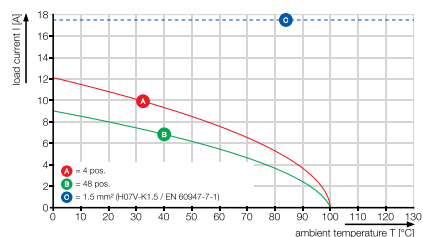
Ordering data

Solder pin length					
Colour		orange			
Pitch	3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	3.50	0.138	132	1530990000	
3	7.00	0.276	102	1531000000	
4	10.50	0.413	84	1531010000	
5	14.00	0.551	72	1531020000	
6	17.50	0.689	66	1531030000	
7	21.00	0.827	54	1531040000	
8	24.50	0.965	48	1531050000	
9	28.00	1.102	48	1531070000	
10	31.50	1.240	42	1531080000	
11	35.00	1.378	36	1531090000	
12	38.50	1.516	36	1531100000	

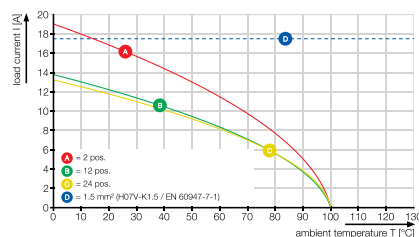


Additional deratings curves

BL 3.50/././180 - SLD 3.50/././90



BL 3.50/././180 - SL 3.50/././90



Connectors in 3.50 mm pitch Series BL/SL 3.50

BL 3.50/.. /90 & 270



Female plug with clamping-yoke screw system for connecting wires with 90° and 270° angled orientation in 3.5 mm pitch. The female plugs are also available with a screw flange (F). They include space for labelling and can be coded.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5
Solid core H05(07) V-U	mm²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1.5
Stripping length	mm	6
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264

Tightening torque range		
Rated current, max.	A	12 10
At ambient temperature	20°C	40°C

For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2

Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5

UL / CUL (Use Group)	B C D
-----------------------------	--------------

Rated voltage	V	300 300
----------------------	----------	----------------

Rated current	A	8 8
----------------------	----------	------------

AWG conductor	AWG	28-14
----------------------	------------	--------------

CSA (Use Group)	B C D
------------------------	--------------

Rated voltage	V	300 300
---------------	---	---------

Rated current	A	10 10
---------------	---	-------

AWG conductor	AWG	28-14
---------------	-----	-------

General data

Type of insulation material	PBT
UL 94 flammability rating	V-0
Contact base material	Copper alloy
Material of contact surface	tinned

Pin dimensions = d	mm
--------------------	----

Solder eyelet Ø = D	mm
---------------------	----

Solder eyelet Ø tolerance	mm
---------------------------	----

Product data

IEC: 320 V / 12 A / 0.2 - 1.5 mm²
UL: 300 V / 8 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

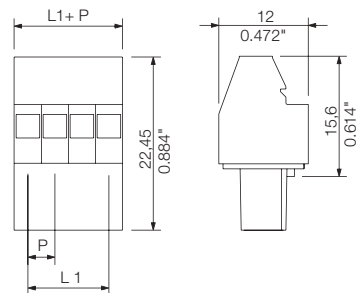
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

BL 3.50/.. /90



Dimensioned drawing



Accessories

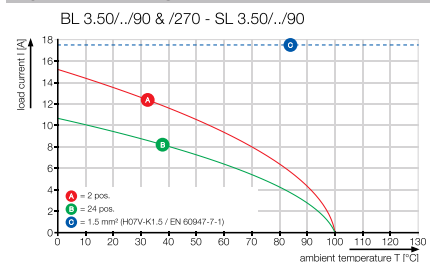
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				
Colour	orange			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	258	1638550000
3	7.00	0.276	174	1638560000
4	10.50	0.413	132	1638570000
5	14.00	0.551	102	1638580000
6	17.50	0.689	84	1638590000
7	21.00	0.827	72	1638600000
8	24.50	0.965	66	1638610000
9	28.00	1.102	54	1638620000
10	31.50	1.240	48	1638630000
11	35.00	1.378	48	1638640000
12	38.50	1.516	42	1638650000

Representative deratings curve

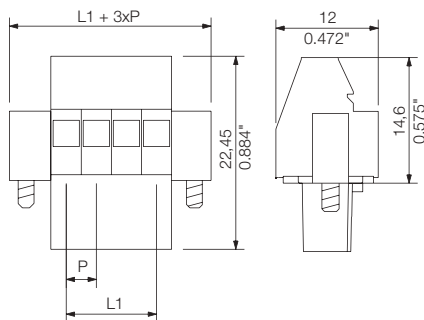


BL 3.50/./90F

with screw flange



Dimensioned drawing



Ordering data

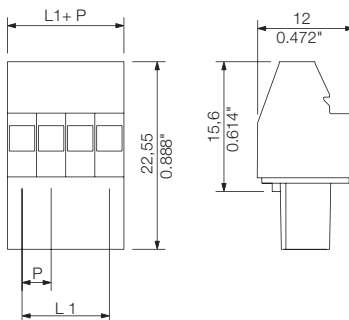
Solder pin length					
Colour		orange			
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	3.50	0.138	132	1639010000	
3	7.00	0.276	108	1639020000	
4	10.50	0.413	90	1639030000	
5	14.00	0.551	72	1639040000	
6	17.50	0.689	66	1639050000	
7	21.00	0.827	60	1639060000	
8	24.50	0.965	54	1639070000	
9	28.00	1.102	48	1639080000	
10	31.50	1.240	42	1639090000	
11	35.00	1.378	36	1639100000	
12	38.50	1.516	36	1639110000	

BL 3.50/./270

with screw flange



Dimensioned drawing



Ordering data

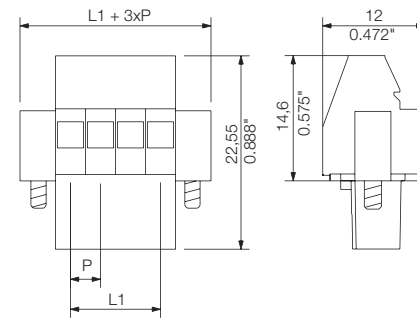
Solder pin length					
Colour		orange			
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	3.50	0.138	258	1639470000	
3	7.00	0.276	174	1639480000	
4	10.50	0.413	132	1639490000	
5	14.00	0.551	102	1639500000	
6	17.50	0.689	84	1639510000	
7	21.00	0.827	72	1639520000	
8	24.50	0.965	66	1639530000	
9	28.00	1.102	54	1639540000	
10	31.50	1.240	48	1639550000	
11	35.00	1.378	48	1639560000	
12	38.50	1.516	42	1639570000	

BL 3.50/./270F

with screw flange



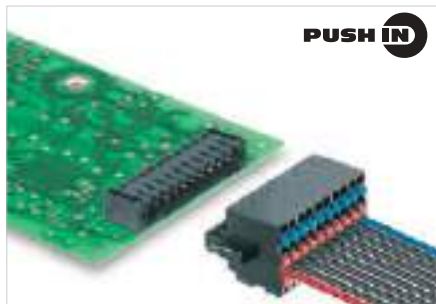
Dimensioned drawing



Ordering data

Solder pin length					
Colour		orange			
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	3.50	0.138	132	1639930000	
3	7.00	0.276	108	1639940000	
4	10.50	0.413	90	1639950000	
5	14.00	0.551	72	1639960000	
6	17.50	0.689	66	1639970000	
7	21.00	0.827	60	1639980000	
8	24.50	0.965	54	1639990000	
9	28.00	1.102	48	1640000000	
10	31.50	1.240	42	1640010000	
11	35.00	1.378	36	1640020000	
12	38.50	1.516	36	1640030000	

BL-I/O 3.5/./180



PUSH IN

Female plug provides pluggable connection level for decentralized I/O electronics. It is used together with male headers in 3.5 mm pitch. Available with a screw flange (F) or a lock and release lever (LR).

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.2...1.5
Solid core H05(07) V-U	mm²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1
Ferrule with plastic collar	mm ²	0.2...0.75
Stripping length	mm	8
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264
Tightening torque range		
Rated current, max.	A	2.2 2.2
At ambient temperature		20°C 40°C
For conductor cross-section	mm ²	1
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	50 160 200
Rated impulse voltage	kV	0.8 2.5 2.5
UL / CUL (Use Group)	B C D	
Rated voltage	V	50 50
Rated current	A	5 5
AWG conductor	AWG	24-16
CSA (Use Group)	B C D	
Rated voltage	V	50 50
Rated current	A	5 5
AWG conductor	AWG	22-16
General data		
Type of insulation material		PBT
UL 94 flammability rating		V-0
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D		
Solder eyelet Ø tolerance	mm	

Product data

IEC: 200 V / 2.2 A / 0.2 - 1.5 mm²
UL: 50 V / 5 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

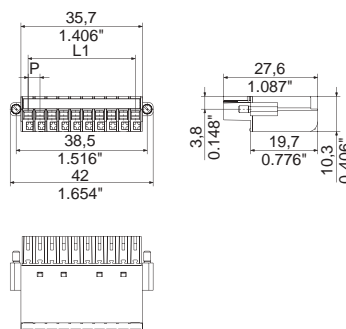
- Additional variants on request
- P on drawing = pitch
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- Total load-carrying capacity of the potential bridges when feeding with 1.5 mm² is max. 17.5 A (so the capacity is 2.18 A for poles 2 through 9)
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Conductor < 0.2 mm² tinned
- Max. outer diameter of the conductor: 2.9 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

BL-I/O 3.50/10/180F

with screw flange



Dimensioned drawing



Accessories

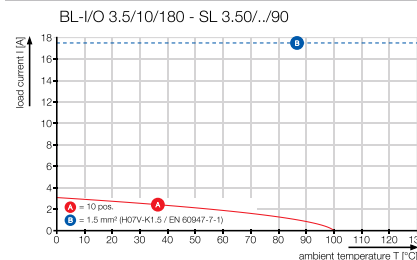
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000
Pressing tool		
	PZ 6/5	9011460000
	PZ 1.5	9005990000

Ordering data

Solder pin length					
Colour		Light Grey	black		
Pitch	3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
10	31.50	1.240	20	1871690000	1779880000

Representative deratings curve



J

180°



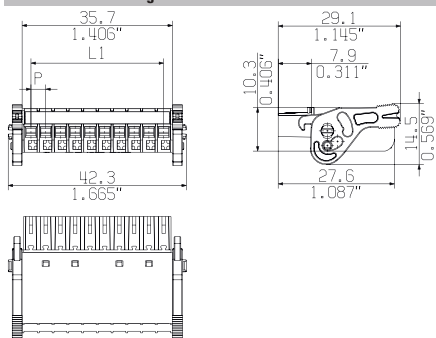
1.5 mm²

BL-I/O 3.50/10/180LR

with release latch



Dimensioned drawing



Ordering data

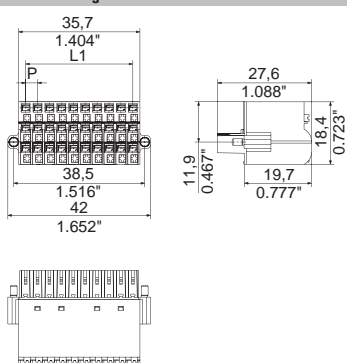
Solder pin length				
Colour	black			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
10	31.50	1.240	20	1531180000

BL-I/O 3.50/30/180F

with screw flange



Dimensioned drawing



Ordering data

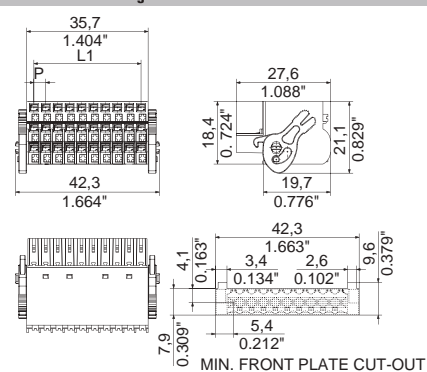
Solder pin length				
Colour	black			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
30	31.50	1.240	20	1779920000

BL-I/O 3.50/30/180LR

with release latch



Dimensioned drawing



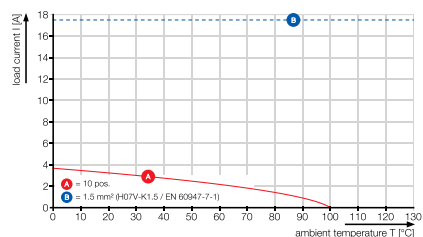
Ordering data

Solder pin length				
Colour	black			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
30	31.50	1.240	20	1000550000

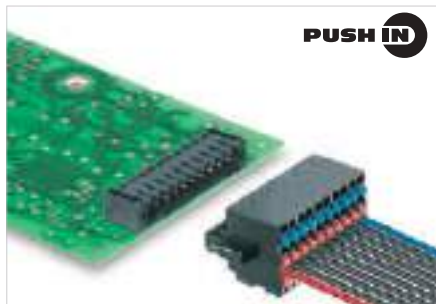
Compatible with SL-SMT 3.50/.../90RF

Additional deratings curves

BL-I/O 3.5/30/180 - SL 3.50/.../90



BL-I/O 3.50/./180 PNP LED



Female plug provides pluggable connection level with common minus (PNP sensor) for decentralized I/O electronics with integrated LED display; used together with male headers in 3.5 mm pitch. Available with a screw flange (F) or a lock an release lever (LR).

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.2...1.5	
Solid core H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.2...1	
Ferrule with plastic collar	mm ²	0.2...0.75	
Stripping length	mm	8	
Screwdriver blade	mm	0.4 x 2.5	
		According to norm	
Tightening torque range			
Rated current, max.	A	2.2	2.2
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage		50	
Rated impulse voltage		0.8	
UL / CUL (Use Group)	B C D		
Rated voltage	V	50	50
Rated current	A	5	5
AWG conductor	AWG	24-16	
CSA (Use Group)	B C D		
Rated voltage	V	50	50
Rated current	A	5	5
AWG conductor	AWG	22-16	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D			
Solder eyelet Ø tolerance	mm		

Product data

IEC: / 2.2 A / 0.2 - 1.5 mm²
UL: 50 V / 5 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

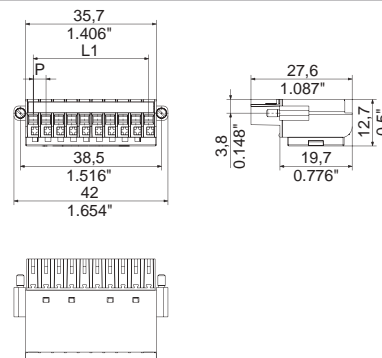
- Additional variants on request
- P on drawing = pitch
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Total load-carrying capacity of the potential bridges when feeding with 1.5 mm² is max. 17.5 A (so the capacity is 2.18 A for poles 2 through 9)
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Conductor < 0.2 mm² tinned
- Max. outer diameter of the conductor: 2.9 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

BL-I/O 3.50/10/180F PNP LED

with screw flange



Dimensioned drawing



Ordering data

Solder pin length					
Colour	Light Grey		black		
Pitch	3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
10	31.50	1.240	20	1965940000	1789090000

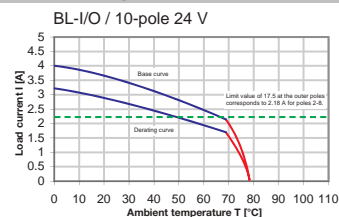
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000
Pressing tool		
	PZ 6/5	9011460000
	PZ 1.5	9005990000

LED series resistors designed for 24 V

Representative deratings curve



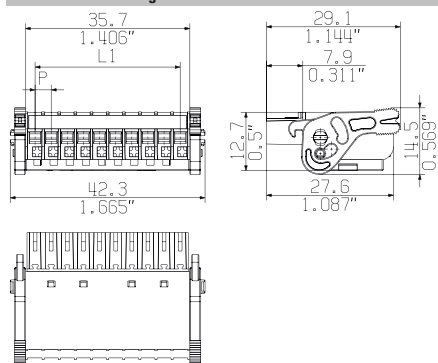
LED series resistors designed for 24 V

BL-I/O 3.50/10/180LR PNP LED

with release latch



Dimensioned drawing



Ordering data

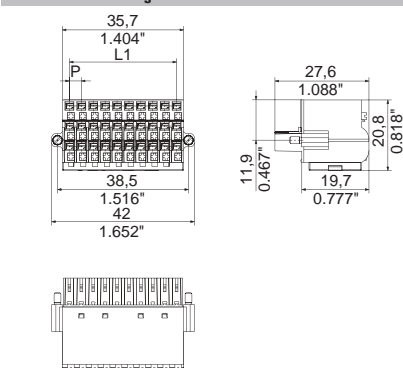
Solder pin length					
Colour					black
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	
10	31.50	1.240	20	1531190000	

BL-I/O 3.50/30/180F PNP LED

with screw flange



Dimensioned drawing



Ordering data

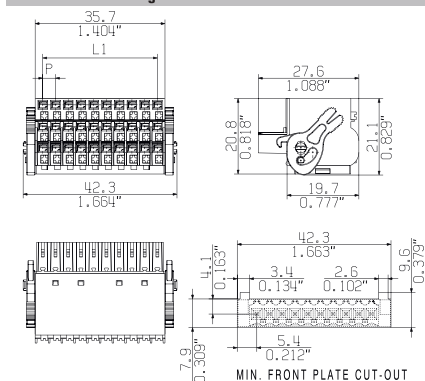
Solder pin length						
Colour					Light Grey	black
Pitch 3.50 mm						
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
30	31.50	1.240	20	1965970000	1789110000	

BL-I/O 3.50/30/180LR PNP LED

with release latch



Dimensioned drawing



Ordering data

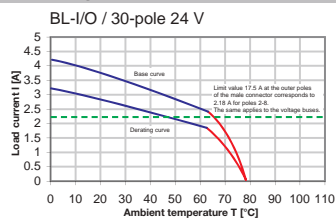
Solder pin length					
Colour					black
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	
30	31.50	1.240	20	1000570000	

LED series resistors configured for 24V; compatible with SL-SMT 3.50 /./ 90RF

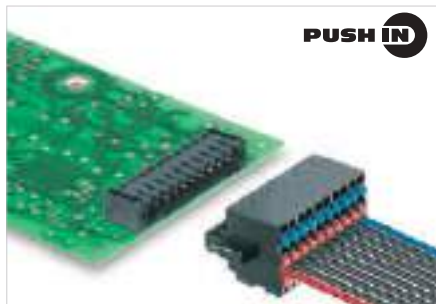
LED series resistors designed for 24 V

LED series resistors designed for 24 V

Additional deratings curves



BL-I/O 3.50/./180 NPN LED



Female plug provides pluggable connection level with common positive (NPN sensor) for decentralized I/O electronics with integrated LED display; used together with male headers in 3.5 mm pitch. Available with a screw flange (F) or a lock an release lever (LR).

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.2...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.2...1	
Ferrule with plastic collar	mm ²	0.2...0.75	
Stripping length	mm	8	
Screwdriver blade	mm	0.4 x 2.5	
According to norm			
Tightening torque range			
Rated current, max.	A	2.2	2.2
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage		50	
Rated impulse voltage		0.8	
UL / CUL (Use Group)	B C D		
Rated voltage	V	50	50
Rated current	A	5	5
AWG conductor	AWG	24-16	
CSA (Use Group)	B C D		
Rated voltage	V	50	50
Rated current	A	5	5
AWG conductor	AWG	22-16	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: / 2.2 A / 0.2 - 1.5 mm²
UL: 50 V / 5 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

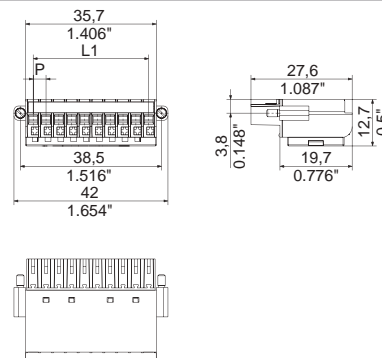
- Additional variants on request
- P on drawing = pitch
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- Total load-carrying capacity of the potential bridges when feeding with 1.5 mm² is max. 17.5 A (so the capacity is 2.18 A for poles 2 through 9)
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Conductor < 0.2 mm² tinned
- Max. outer diameter of the conductor: 2.9 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

BL-I/O 3.50/10/180F NPN LED

with screw flange



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

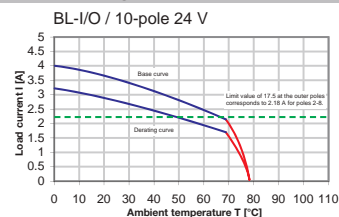
Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000
Pressing tool		
	PZ 6/5	9011460000
	PZ 1.5	9005990000

Ordering data

Solder pin length				
Colour	black			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
10	31.50	1.240	20	1938010000

LED series resistors designed for 24 V

Representative deratings curve



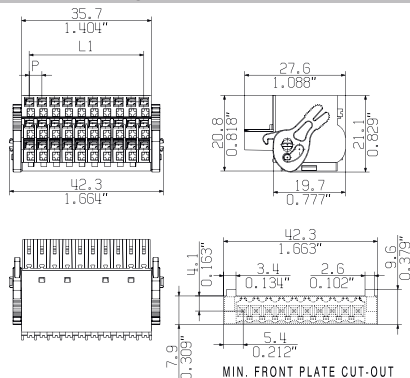
LED series resistors designed for 24 V

BL-I/O 3.50/10/180LR NPN LED

with release latch



Dimensioned drawing



Ordering data

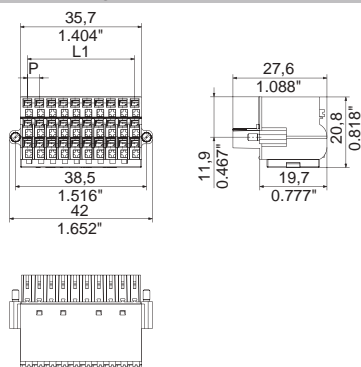
Solder pin length				
Colour	black			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
10	31.50	1.240	20	1531200000

BL-I/O 3.50/30/180F NPN LED

with screw flange



Dimensioned drawing



Ordering data

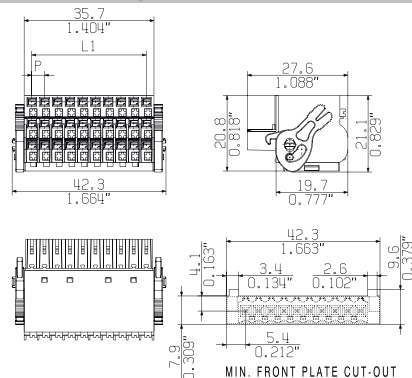
Solder pin length				
Colour	black			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
30	31.50	1.240	20	1938020000

BL-I/O 3.50/30/180LR NPN LED

with release latch



Dimensioned drawing



Ordering data

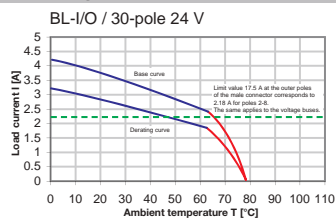
Solder pin length				
Colour	black			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
30	31.50	1.240	20	1000590000

LED series resistors configured for 24V; compatible with SL-SMT 3.50 /./ 90RF

LED series resistors designed for 24 V

LED series resistors designed for 24 V

Additional deratings curves



BL I/O 3.50../180 CJC



Many industrial applications demand an increasingly higher accuracy of temperature measurement. At the same time, the required equipment must become cheaper and smaller. For the BL I/O 3.5 CJC, the cold junction compensation is integrated into the connector, which reduces space and costs.

The cold junction compensation of the BL I/O CJC is integrated by a thermistor in the connector. Therefore, no additional compensation is needed when connecting thermocouples to a device to measure the temperature. The integrated compensation simplifies the device and increases the measuring accuracy up to 20%.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.2...1.5
Solid core H05(07) V-U	mm²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1
Ferrule with plastic collar	mm ²	0.2...0.75
Stripping length	mm	8
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264

Tightening torque range			
Rated current, max.	A	2.2	2.2
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage		50	
Rated impulse voltage		0.8	

UL / CUL (Use Group)	B	C	D
Rated voltage	V	50	50
Rated current	A	5	5
AWG conductor	AWG	24-16	
CSA (Use Group)	B	C	D
Rated voltage	V	50	50
Rated current	A	5	5
AWG conductor	AWG	22-16	

General data	
Type of insulation material	PBT
UL 94 flammability rating	V-0
Contact base material	Copper alloy
Material of contact surface	Gold-plated
Pin dimensions = d	mm
Solder eyelet Ø = D	
Solder eyelet Ø tolerance	mm

Product data

IEC: / 2.2 A / 0.2 - 1.5 mm²
UL: 50 V / 5 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmueller.com

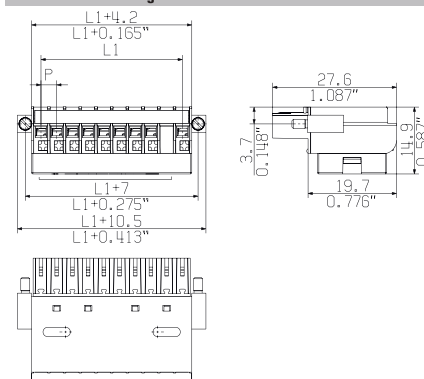
Note:

- Additional variants on request
- P on drawing = pitch
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- Total load-carrying capacity of the potential bridges when feeding with 1.5 mm² is max. 17.5 A (so the capacity is 2.18 A for poles 2 through 9)
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Conductor < 0.2 mm² tinned
- Max. outer diameter of the conductor: 2.9 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

BL I/O 3.5 CJC



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Screwdriver		
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000
Pressing tool		
	PZ 6/5	9011460000
	PZ 1.5	9005990000

Ordering data

Solder pin length				
Colour	black			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
10	31.50	1.240	20	2471390000



BL-I/O 3.50/./180

BL-I/O 3.5 30-pin

- Pluggable connection terminals for remote I/O electronics
- Directly from the control or industrial PC etc. to the sensor or actuator level
- Significant space savings as well as savings in design time and wiring.

BL-I/O 3.50/./180 PNP LED

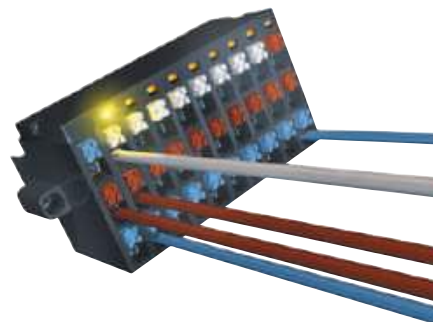
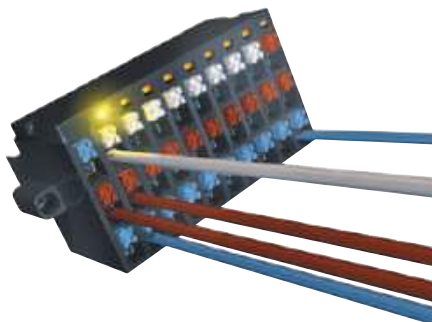
BL-I/O 3.5 30-pin

- Pluggable connection terminals for remote I/O electronics
- Directly from the control or industrial PC etc. to the sensor or actuator level
- Significant space savings as well as savings in design time and wiring.

BL-I/O 3.50/./180 NPN LED

BL-I/O 3.5 30-pin

- Pluggable connection terminals for remote I/O electronics
- Directly from the control or industrial PC etc. to the sensor or actuator level
- Significant space savings as well as savings in design time and wiring.



Integrated LED version

- Available for all the BL-I/Os
- Test the sensor or actuator cabling before commissioning the controller
- Eliminates the need for function displays in the housing

Integrated LED version

- Available for all the BL-I/Os
- Test the sensor or actuator cabling before commissioning the controller
- Eliminates the need for function displays in the housing

Diagram of BL-I/O 30 pin with SL 3.5 10 pin

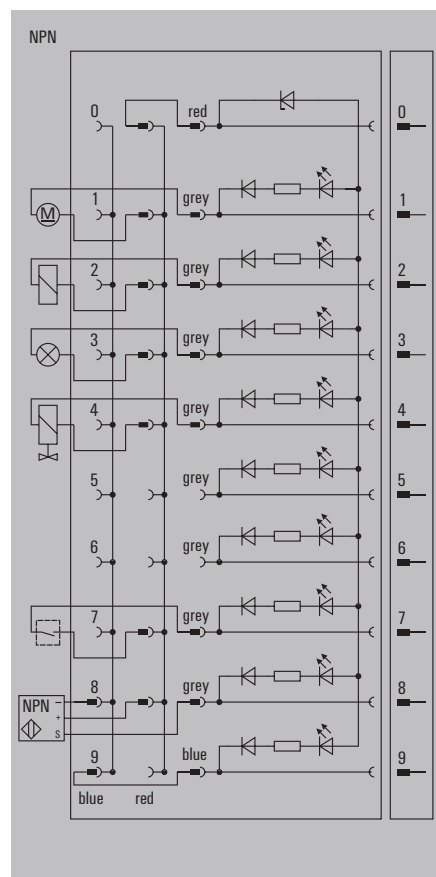
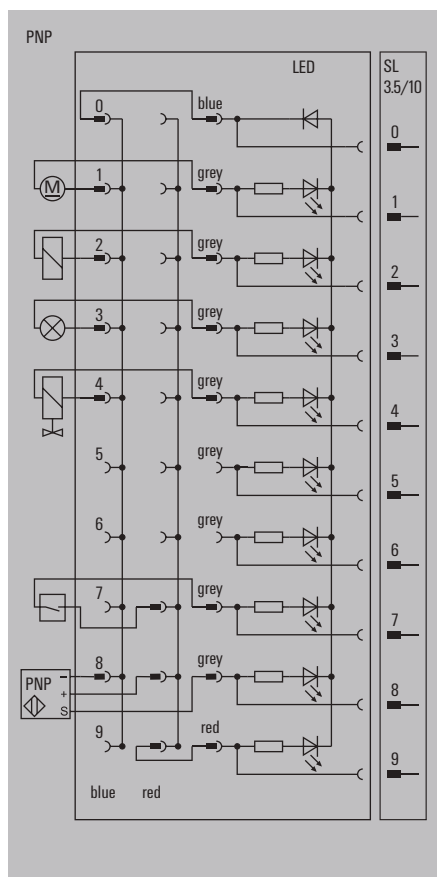
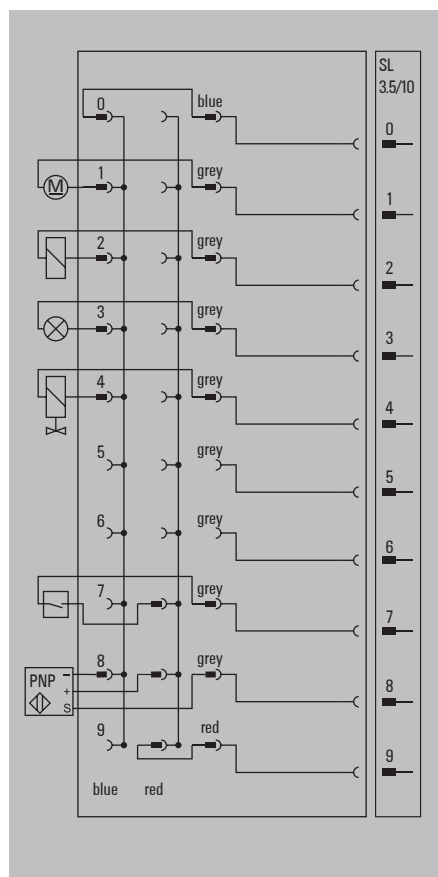
- Direct connection possibilities for sensors and actuators including their power supply
- Can be used for external or internal power supply sources

Diagram of BL-I/O 30 pin with SL 3.5 10 pin

- Direct connection possibilities for sensors and actuators including their power supply
- Can be used for external or internal power supply sources

Diagram of BL-I/O 30 pin with SL 3.5 10 pin

- Direct connection possibilities for sensors and actuators including their power supply
- Can be used for external or internal power supply sources



Connectors in 3.50 mm pitch Series BL/SL 3.50

BLL 3.50/./180



Inverted female headers for:

- touch-safety on the PCB
- board-to-board connection of modules (with SL/SL-SMT)
- Wave soldering
- Outlet direction: 180° (standing, perpendicular to PCB)

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	15.1	13
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtolerance category		III	III
Pollution severity		3	2
Rated voltage	V	160	160
Rated impulse voltage	kV	2.5	2.5
UL / CUL (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	9	9
AWG conductor	AWG	-	-
CSA (Use Group)	B	C	D
Rated voltage	V	300	
Rated current	A	9	
AWG conductor	AWG	-	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 15.1 A

UL: 300 V / 9 A



For additional articles and information, refer to catalog.weidmuller.com

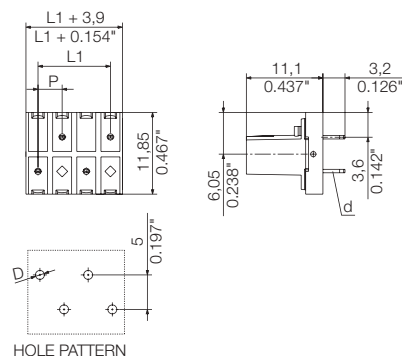
Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

BLL 3.50/./180



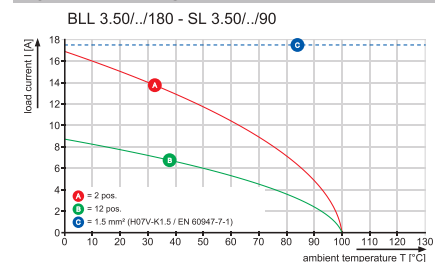
Dimensioned drawing



Ordering data

Solder pin length	3.2 mm			
Colour	orange			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	75	1376310000
3	7.00	0.276	50	1376320000
4	10.50	0.413	38	1376330000
5	14.00	0.551	30	1376340000
6	17.50	0.689	25	1376430000
7	21.00	0.827	22	1376350000
8	24.50	0.965	19	1376440000
9	28.00	1.102	17	1376450000
10	31.50	1.240	15	1376470000
11	35.00	1.378	14	1376370000
12	38.50	1.516	13	1376480000

Representative deratings curve



J

3.50

180°

WAVE

OMNIMATE® Signal PCB connectors in 3.81 mm pitch

OMNIMATE® Signal
PCB connectors in 3.81 mm pitch

Connectors in 3.81 mm pitch
Series BC/SC 3.81

Explanation	K.2
Quick selection	K.6
Product selection	K.8



Plug-in connector OMNIMATE® Signal 3.81

Opens up new dimensions for your application

Large variety of products and an extensive accessory range

- All combinations are possible: wire-to-board, wire-to-wire, board-to-board, board-to-wire
- Wide range of reflow ready strips
- Individually configurable with accessories and specific printing or coding
- Compact design to connect 1.5 mm² wires

Unique performance offering high levels of redundancy

- Rated current: 17.5 A
- Up to 65 °C without derating
- Ambient temperature up to 120 °C

Safe handling characteristics

- Lock & Release lever allows tool-free locking and module-safe loosening
- Vibration resistant PUSH IN connection offers tool free wiring connection
- Proven screw connection

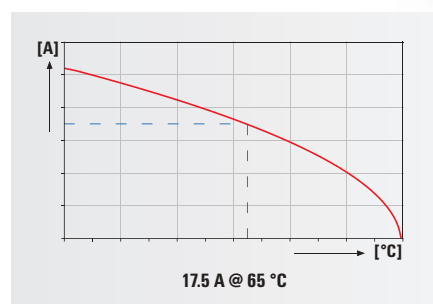
Simple handling

Reliable flange connections are easy to use and protect the electronic modules when they are removed: screw flange, release lever or lock & release lever.



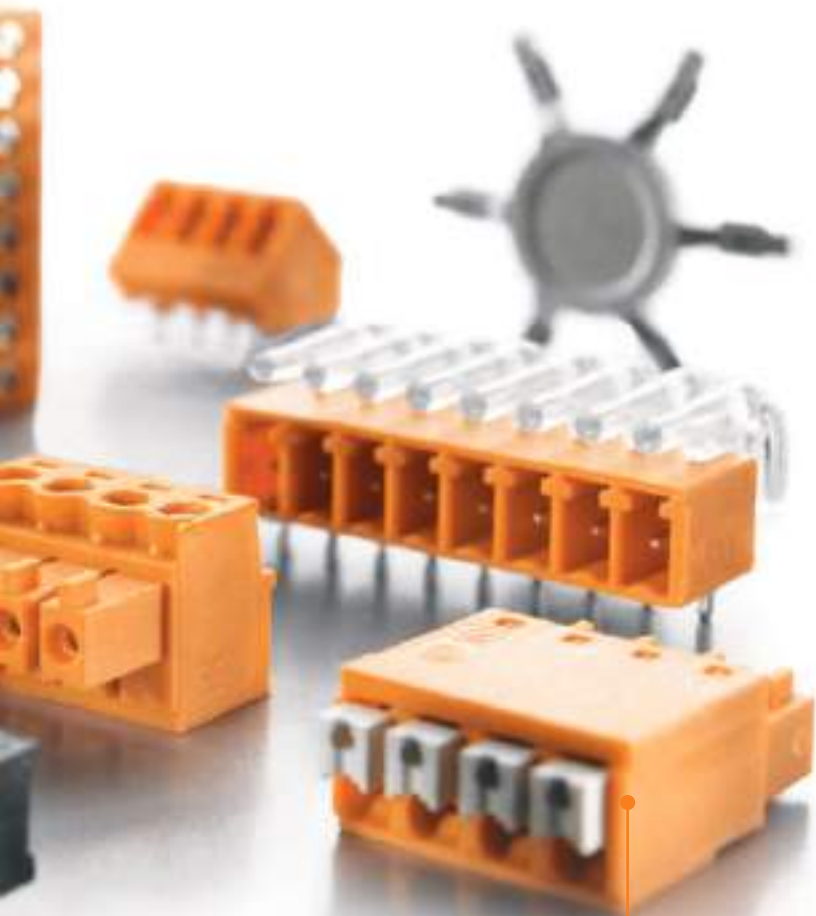
Unique performance

High power reserves allow applications without restrictions up to the maximum wiring power rating - even in high ambient temperatures.



Less space required

Minimum stack height, maximum clamping force and PUSH IN: the SCDN 3.81 simply handles two 7.9 mm flat BCF 3.81 with 1.5 mm² wire end ferrules.



Maintenance-free, secure, vibration-proof

PUSH IN spring connection technology: direct connection without tools – simply plug in the prepared conductors – finished! Intuitive operation using large release buttons.



Complete system for all possible combinations and a comprehensive range of accessories

Wire-to-Board



Wire-to-Wire



Board-to-Board



Board-to-Wire



Accessories

Coding SC-SMT KO GR Light guide display SC FLA Cover hood BCZ AH



Plug-in connector OMNIMATE® Signal 3.81

Brings new dimensions into handling

Best choice for reflow soldering

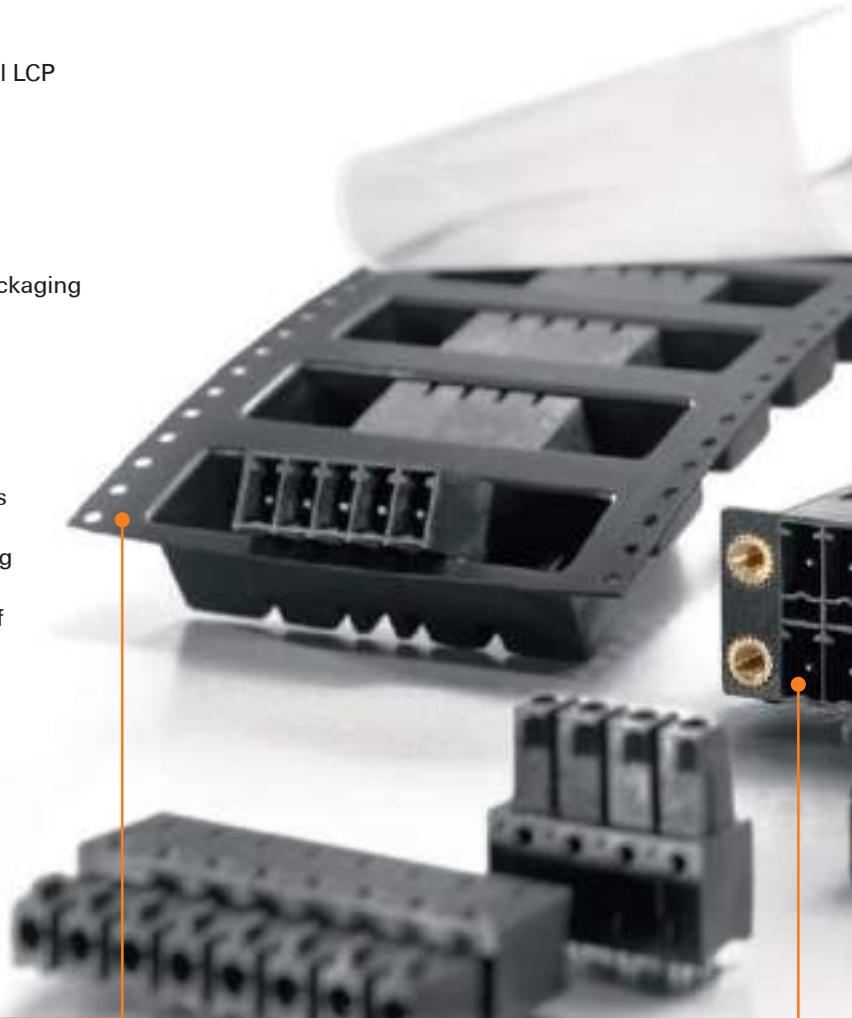
- Reflow strips made from the high temperature material LCP
- Form at high soldering temperatures stability
- Dimensionally stable
- Can be processed without drying (MSL 1)
- Thermal expansion properties similar to a FR4 PCB

Unique handling

- Suitable for automatic machine handling, antistatic packaging in tape, tray or tube
- Optional Pick & Place pad supports feeder systems
- Solder flange fixes the strip to the PCB without the use of screws
- An optimised pin end which permits AOI (automated optical inspection)
- Variable pin length to support placement on both sides of the PCB
- Integrated spacing bars improve the flow of heat during the solder process
- Free space in the pin area facilitate the development of the solder meniscus.

Packaging suitable for use in automated assembly

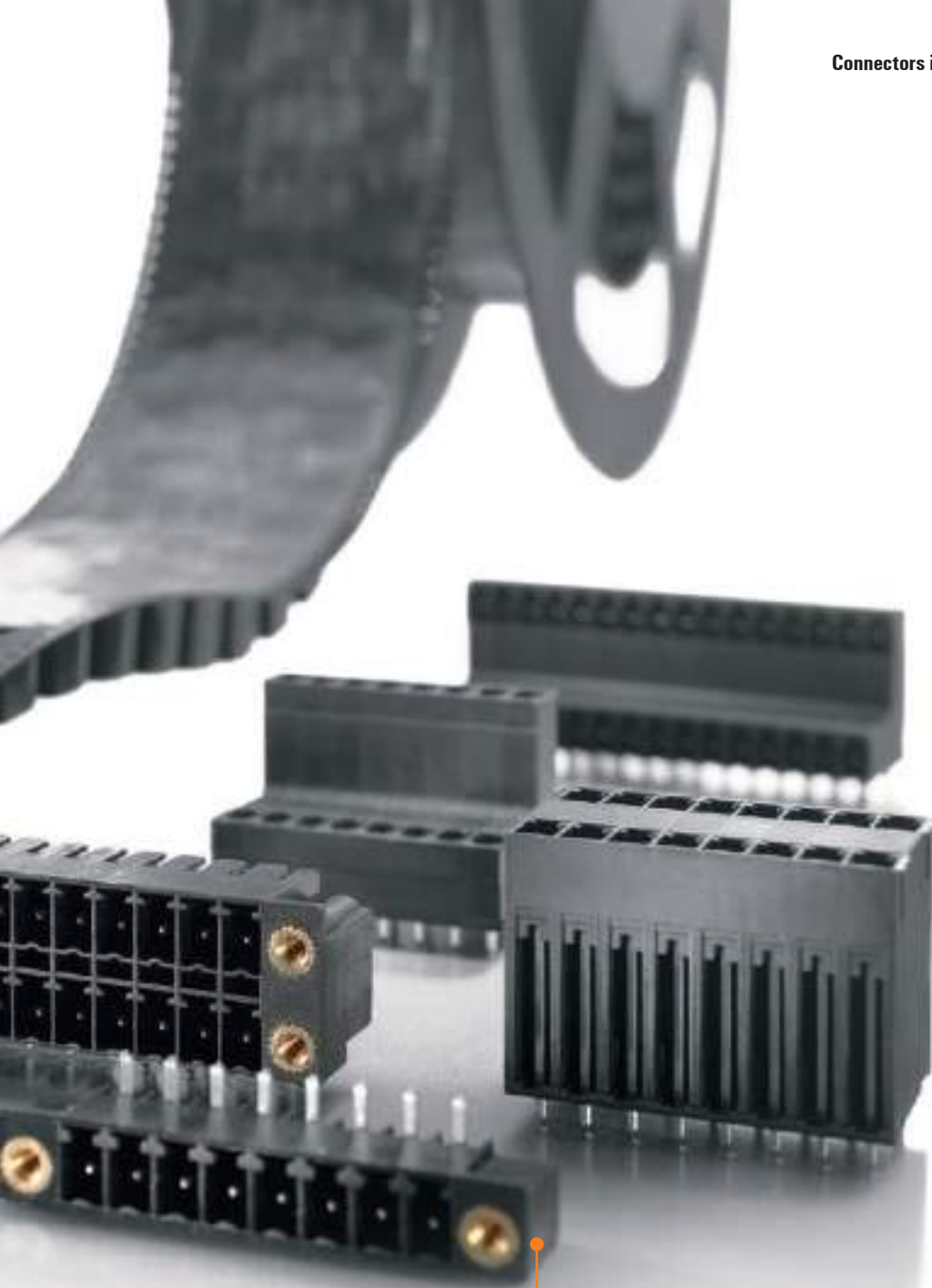
Standard belt widths for simple integration into the assembly process.



Code in advance – process universally

No additional work required for factory-side reflow-compatible coding.



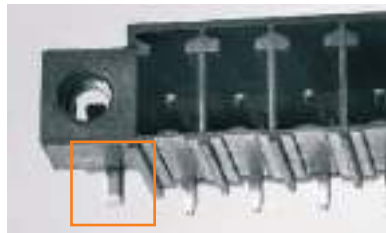


SMT

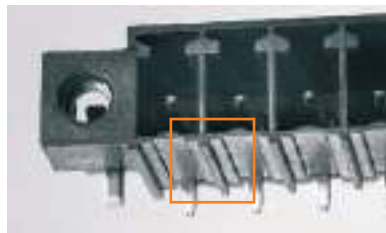
No need for pre-treatment, high temperature material LCP is safe to use during the soldering process.



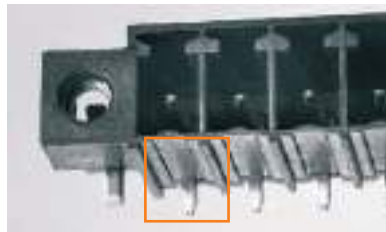
Solder flange pin
Secures to the PCB without a screw



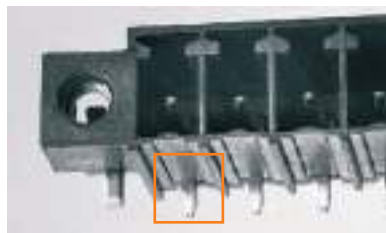
Integrated bars
Optimal airflow during reflow soldering







Rebates in the area of the pin
Space for the development of the solder meniscus

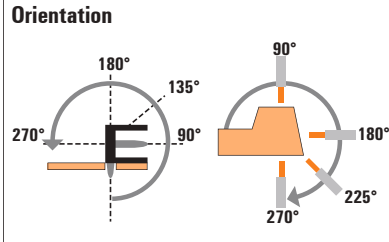
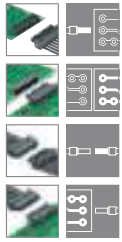


Pin tips
Optimal recognition by the automatic optical inspection device (AOI)



<http://www.OMNIMATE.net>

-  = Wire-to-Board
-  = Board-to-Board
-  = Wire-to-Wire
-  = Board-to-Wire













Male header



BC/SC 3.81 series



		Levels	
		1	
Orientation		90°	180°
IEC / UL		IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A UL: 300 V/10 A
Type		SC	SC
Flange options		G/F	G/F
		 Solder connection	
Type		SC-SMT	SC-SMT
Flange options		G/LF	G/LF
		 Reflow solder connection	

		Flange options			
Female plug	 Screw	 BCZ 180° (G)/F/LR IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 16	 BCZ 90° (G)/F IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 16	 BCZ 270° (G)/F IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 16	
		 BCF 180° (G)/F/LR IEC: 320 V/17.5 A/0.14 - 1.5 mm ² UL: 300 V/10 A/AWG 24 - 16			
		Female header	 Solder connection	 BCL SMT 90° (G)/F/LFI IEC: 320 V/17.5 A UL: 300 V/10 A	 BCL SMT 180° (G)/LFI IEC: 320 V/17.5 A UL: 300 V/10 A

Female plug and header:
(G)* = Closed (without flange)
F = Flange with screw
LFI = Inverted solder flange with nut
LR = Lock & Release lever


Male header and plug:
G = Closed (without flange)
F = Screw flange with nut
LF = Solder flange with nut
LR = Lock & Release lever
FI = Inverted flange with screw


* not included in the article description

Male header **Male plug**



1		2					1
135°	270°	90°	180°	90°	90°	180°	180°
IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A/ 0.2 - 1.5 mm ² UL: 300 V/10 A/ AWG 28 - 16


Solder connection


Screw

SC	SC	SCD	SCD	SCDN	SCDV	SCDV	SCZ
G/F	G/F	G/F	G/F	G/F	G/F	G/F	G/F/Fl/LR


Reflow solder connection

SC-SMT	SC-SMT	SCD-THR	SCD-THR	SCDN-THR	SCDV-THR	SCDV-THR	
G/LF	G/F	G/F	G/F	G/F	G/F	G/F	
○	○	○	○	○	○	○	●
○	○	○	○	○	○	○	●
○	○	○	○	○	○	○	●
○	○	○	○	○	○	○	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●

K

Connectors in 3.81 mm pitch Series BC/SC 3.81

SC-SMT 3.81/./90



High-temperature-resistant male header.

- Plugging direction parallel to PCB
- Available in closed (G) and with solder flange (LF).
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

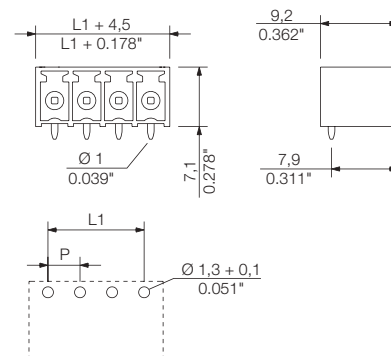
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC-SMT 3.81/./90G Box

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	11	11
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	
Rated current	A	11	
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet $\varnothing = D$	mm	1.3	
Solder eyelet \varnothing tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000

Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch	3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1862460000
3	7.62	0.300	50	1862480000
4	11.43	0.450	50	1862490000
5	15.24	0.600	50	1862500000
6	19.05	0.750	50	1862510000
7	22.86	0.900	50	1862520000
8	26.67	1.050	50	1862530000
9	30.48	1.200	50	1862540000
10	34.29	1.350	50	1862550000
11	38.10	1.500	50	1862570000
12	41.91	1.650	50	1862730000

K

3.81

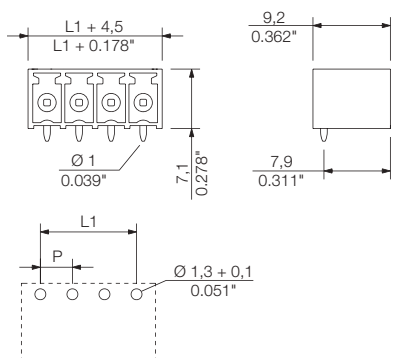
90°

SC-SMT 3.81/./90G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm	
Colour		black	
Pitch		3.81 mm	
Pol.	L1	(inch)	Qty. Order No.
2	3.81	0.150	400 1863140000
3	7.62	0.300	400 1863150000
4	11.43	0.450	400 1863160000
5	15.24	0.600	400 1863170000
6	19.05	0.750	400 1863180000
7	22.86	0.900	400 1863190000
8	26.67	1.050	400 1863200000
9	30.48	1.200	400 1863210000
10	34.29	1.350	400 1863220000

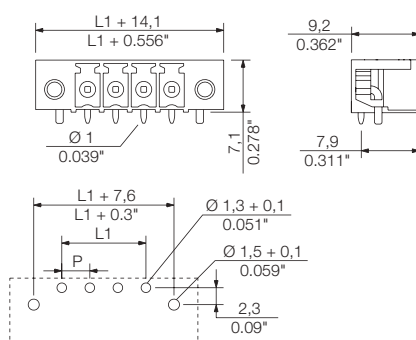
Tape widths: 32, 44, 56, 72, 88

SC-SMT 3.81/./90LF Box

with solder flange



Dimensioned drawing



Ordering data

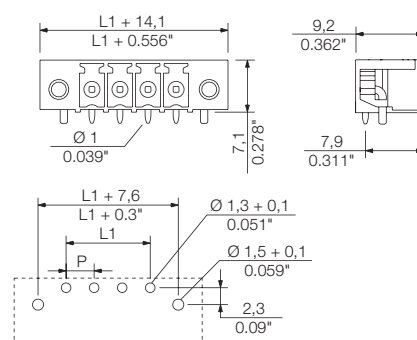
Solder pin length		3.2 mm	
Colour		black	
Pitch		3.81 mm	
Pol.	L1	(inch)	Qty. Order No.
2	3.81	0.150	50 1863670000
3	7.62	0.300	50 1863680000
4	11.43	0.450	50 1863690000
5	15.24	0.600	50 1863700000
6	19.05	0.750	50 1863710000
7	22.86	0.900	50 1863740000
8	26.67	1.050	50 1863760000
9	30.48	1.200	50 1863770000
10	34.29	1.350	50 1863790000
11	38.10	1.500	50 1863810000
12	41.91	1.650	50 1863820000

SC-SMT 3.81/./90LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm	
Colour		black	
Pitch		3.81 mm	
Pol.	L1	(inch)	Qty. Order No.
2	3.81	0.150	400 1862720000
3	7.62	0.300	400 1862750000
4	11.43	0.450	400 1862770000
5	15.24	0.600	400 1862790000
6	19.05	0.750	400 1862820000
7	22.86	0.900	400 1862830000
8	26.67	1.050	400 1862850000

Tape widths: 32, 44, 56, 72, 88

SC-SMT 3.81../180



High-temperature-resistant male header.

- Plugging direction is perpendicular to PCB
- Available in closed (G) and with solder flange (LF).
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

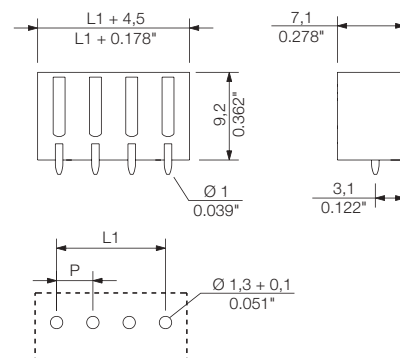
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC-SMT 3.81../180G Box

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	11	11
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	
Rated current	A	11	
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000

Ordering data

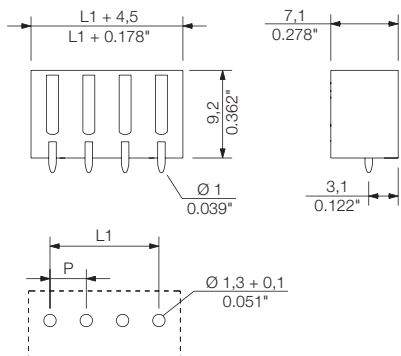
Solder pin length		3.2 mm		
Colour		black		
Pitch	3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1862920000
3	7.62	0.300	50	1862940000
4	11.43	0.450	50	1862950000
5	15.24	0.600	50	1863010000
6	19.05	0.750	50	1863020000
7	22.86	0.900	50	1863030000
8	26.67	1.050	50	1863240000
9	30.48	1.200	50	1863270000
10	34.29	1.350	50	1863290000
11	38.10	1.500	50	1863320000
12	41.91	1.650	50	1863330000

SC-SMT 3.81../180G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm	3.2 mm		
Colour		black	black		
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	300	1864050000	
3	7.62	0.300	300	1864060000	
4	11.43	0.450	300	1864290000	1863490000
5	15.24	0.600	300	1864300000	
6	19.05	0.750	300	1864310000	
7	22.86	0.900	300	1864320000	
8	26.67	1.050	300	1864330000	
9	30.48	1.200	300	1864340000	
10	34.29	1.350	300	1864350000	

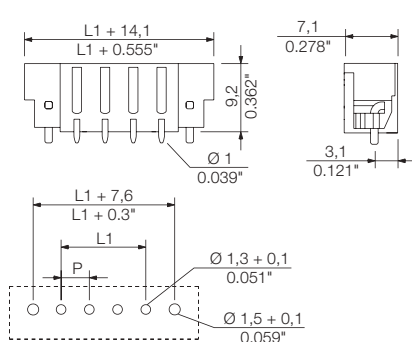
Tape widths: 32, 44, 56, 72, 88

SC-SMT 3.81../180LF Box

with solder flange



Dimensioned drawing



Ordering data

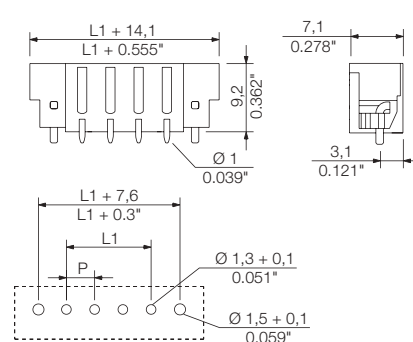
Solder pin length		3.2 mm			
Colour		black			
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1863230000	
3	7.62	0.300	50	1863250000	
4	11.43	0.450	50	1863260000	
5	15.24	0.600	50	1863280000	
6	19.05	0.750	50	1863300000	
7	22.86	0.900	50	1863310000	
8	26.67	1.050	50	1863340000	
9	30.48	1.200	50	1863360000	
10	34.29	1.350	50	1863380000	
11	38.10	1.500	50	1863390000	
12	41.91	1.650	50	1863410000	

SC-SMT 3.81../180LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm			
Colour		black			
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	300	1864220000	
3	7.62	0.300	300	1864230000	
4	11.43	0.450	300	1864240000	
5	15.24	0.600	300	1864250000	
6	19.05	0.750	300	1864260000	
7	22.86	0.900	300	1864270000	
8	26.67	1.050	300	1864280000	

Tape widths: 32, 44, 56, 72, 88

Connectors in 3.81 mm pitch Series BC/SC 3.81

SC-SMT 3.81../135



Male header with 135° plugging angle (135° angle between the plugging direction and the solder pin). This corresponds to a 45° angle between the wire orientation and the circuit board.

- Reflow compatible
- Available in closed (G) and with solder flange (LF).
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	11	11
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	
Rated current	A	11	
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

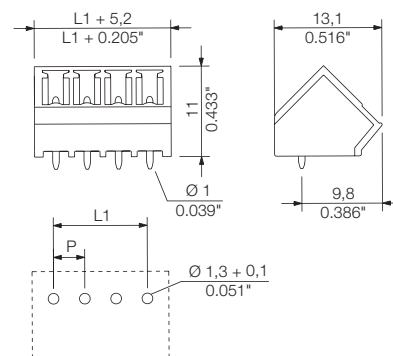
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC-SMT 3.81../135G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000

Ordering data

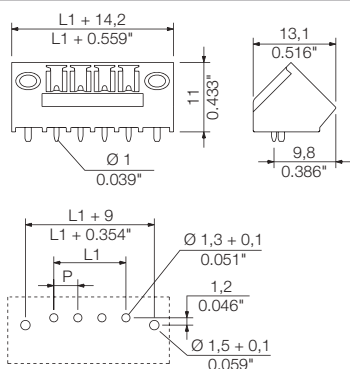
Solder pin length		3.2 mm		
Colour		black		
Pitch	3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1977200000
3	7.62	0.300	50	1977210000
4	11.43	0.450	50	1977220000
5	15.24	0.600	50	1977230000
6	19.05	0.750	50	1977240000
7	22.86	0.900	50	1977250000
8	26.67	1.050	50	1977690000
9	30.48	1.200	50	1977700000
10	34.29	1.350	50	1977710000
11	38.10	1.500	50	1977720000
12	41.91	1.650	50	1977730000

SC-SMT 3.81/./135LF

with solder flange



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1978080000
3	7.62	0.300	50	1978090000
4	11.43	0.450	50	1978100000
5	15.24	0.600	50	1978110000
6	19.05	0.750	50	1978120000
7	22.86	0.900	50	1978130000
8	26.67	1.050	50	1978140000
9	30.48	1.200	50	1978150000
10	34.29	1.350	50	1978160000
11	38.10	1.500	50	1978170000
12	41.91	1.650	50	1978180000

Connectors in 3.81 mm pitch Series BC/SC 3.81

SC-SMT 3.81../270



High-temperature-resistant male header with 270° plugging angle (the angle between the plugging direction and the solder pin). This angle has a plugging direction that is parallel to the circuit board with female plugs plugged in upside down.

- Reflow compatible
- Available in closed (G) version and with screw flange (F).
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	11	11
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	
Rated current	A	11	
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

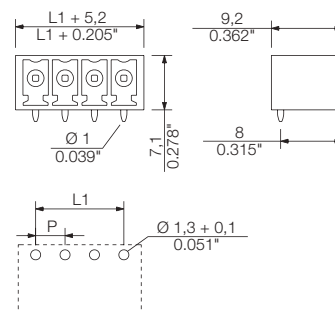
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC-SMT 3.81../270G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000

Ordering data

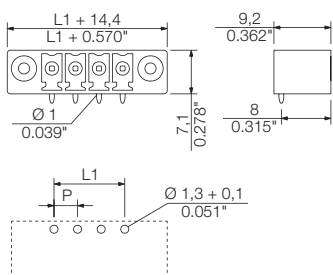
Solder pin length		3.2 mm		
Colour		black		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1036480000
3	7.62	0.300	50	1036490000
4	11.43	0.450	50	1036510000
5	15.24	0.600	50	1036520000
6	19.05	0.750	50	1036530000
7	22.86	0.900	50	1036540000
8	26.67	1.050	50	1036550000
9	30.48	1.200	50	1036560000
10	34.29	1.350	50	1036570000
11	38.10	1.500	50	1036580000
12	41.91	1.650	50	1036590000

SC-SMT 3.81/./270F

with screw flange



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1036990000
3	7.62	0.300	50	1037010000
4	11.43	0.450	50	1037020000
5	15.24	0.600	50	1037030000
6	19.05	0.750	50	1037040000
7	22.86	0.900	50	1037050000
8	26.67	1.050	50	1037060000
9	30.48	1.200	50	1037070000
10	34.29	1.350	50	1037080000
11	38.10	1.500	50	1037090000
12	41.91	1.650	50	1037110000



Connectors in 3.81 mm pitch Series BC/SC 3.81

SCD-THR 3.81../90



High-temperature-resistant, double-level male header for reflow soldering.

- Orientation: 90°
- Designed for front panel applications.
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	11	11
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	
Rated current	A	11	
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

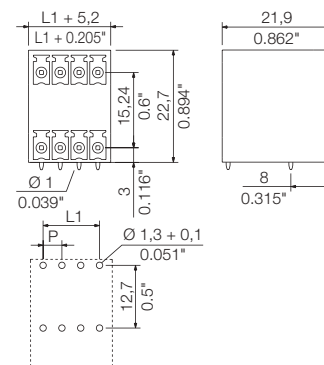
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCD-THR 3.81../90G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000

Ordering data

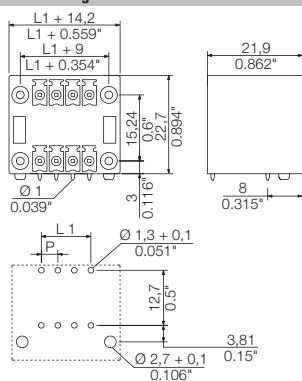
Solder pin length		3.2 mm		
Colour		black		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1973730000
6	7.62	0.300	50	1973740000
8	11.43	0.450	50	1973750000
10	15.24	0.600	50	1973760000
12	19.05	0.750	50	1973770000
14	22.86	0.900	50	1973780000
16	26.67	1.050	50	1973790000
18	30.48	1.200	50	1973800000
20	34.29	1.350	50	1973810000
22	38.10	1.500	50	1973820000
24	41.91	1.650	50	1973830000

SCD-THR 3.81../90F

with screw flange



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm	
Colour		black	
Pitch		3.81 mm	
Pol.	L1	(inch)	Qty. Order No.
4	3.81	0.150	50 1974180000
6	7.62	0.300	50 1974190000
8	11.43	0.450	50 1974200000
10	15.24	0.600	50 1974210000
12	19.05	0.750	50 1974220000
14	22.86	0.900	50 1974230000
16	26.67	1.050	50 1974240000
18	30.48	1.200	50 1974250000
20	34.29	1.350	50 1974290000
22	38.10	1.500	50 1974310000
24	41.91	1.650	50 1974330000

Connectors in 3.81 mm pitch Series BC/SC 3.81

SCD-THR 3.81../180



High-temperature-resistant, double-level male header for reflow soldering.

- It allows you to use two interfaces on only one surface and with only one step in the work flow.
- Orientation: 180° (recumbent)
- Connections at the same level and with access that is flush over the front board.
- Space for labelling and coding
- Packed in cardboard box.

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	11	11
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	
Rated current	A	11	
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

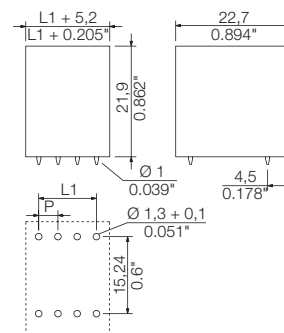
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCD-THR 3.81../180G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000
Mounting screw	PTSC KA 2.2X4.5 WN1412
	1610740000

Ordering data

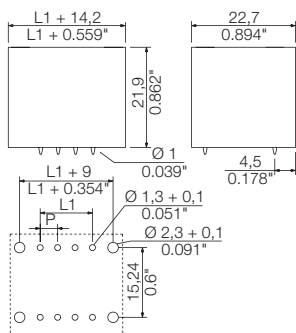
Solder pin length		3.2 mm		
Colour		black		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1030950000
6	7.62	0.300	50	1030960000
8	11.43	0.450	50	1030970000
10	15.24	0.600	50	1030980000
12	19.05	0.750	50	1030990000
14	22.86	0.900	50	1031010000
16	26.67	1.050	50	1031020000
18	30.48	1.200	50	1031030000
20	34.29	1.350	50	1031040000
22	38.10	1.500	50	1031050000
24	41.91	1.650	50	1031060000

SCD-THR 3.81../180F

with screw flange



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1031460000
6	7.62	0.300	50	1031470000
8	11.43	0.450	50	1031490000
10	15.24	0.600	50	1031510000
12	19.05	0.750	50	1031520000
14	22.86	0.900	50	1031530000
16	26.67	1.050	50	1031540000
18	30.48	1.200	50	1031560000
20	34.29	1.350	50	1031570000
22	38.10	1.500	50	1031590000
24	41.91	1.650	50	1031610000

Connectors in 3.81 mm pitch Series BC/SC 3.81

SCDN-THR 3.81/.. /90



Compact double-level male header for reflow soldering process. For use with BCF 3.81 plugs.

- Orientation: 90°
- Designed for front panel applications.
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	11	11
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	11	11
AWG conductor	AWG		-
General data			
Type of insulation material	LCP GF		
UL 94 flammability rating	V-0		
Contact base material	Copper alloy		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

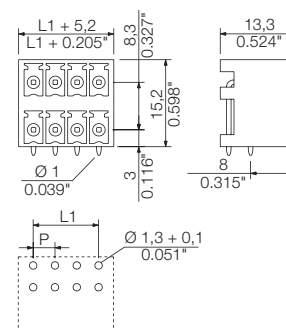
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCDN-THR 3.81/.. /90G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000

Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1038950000
6	7.62	0.300	50	1038960000
8	11.43	0.450	50	1038970000
10	15.24	0.600	50	1038980000
12	19.05	0.750	50	1038990000
14	22.86	0.900	50	1039010000
16	26.67	1.050	50	1039020000
18	30.48	1.200	50	1039030000
20	34.29	1.350	50	1039040000
22	38.10	1.500	50	1039050000
24	41.91	1.650	50	1039060000

K

3.81

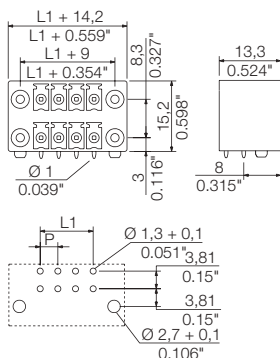
90°

SCDN-THR 3.81/././90F

with screw flange



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1039440000
6	7.62	0.300	50	1039450000
8	11.43	0.450	50	1039460000
10	15.24	0.600	50	1039520000
12	19.05	0.750	50	1039530000
14	22.86	0.900	50	1039540000
16	26.67	1.050	50	1039550000
18	30.48	1.200	50	1039560000
20	34.29	1.350	50	1039570000
22	38.10	1.500	50	1039580000
24	41.91	1.650	50	1039590000

Connectors in 3.81 mm pitch Series BC/SC 3.81

SCDV-THR 3.81/..../90



High-temperature-resistant, double-level male header for reflow soldering.

- Orientation: 90°
- Connections at two offset levels and open access to each row.
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	17.5	17	
At ambient temperature	20°C	40°C	
For conductor cross-section			
Overvoltage category	III	III	II
Pollution severity	3	2	2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	11	11
AWG conductor	AWG	-	-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	11	11
AWG conductor	AWG	-	-
General data			
Type of insulation material	LCP GF		
UL 94 flammability rating	V-0		
Contact base material	Copper alloy		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

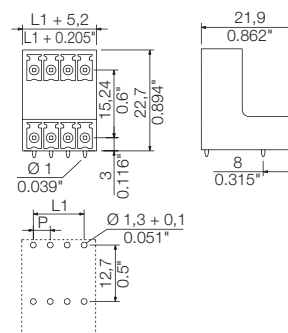
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCDV-THR 3.81/..../90G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000

Ordering data

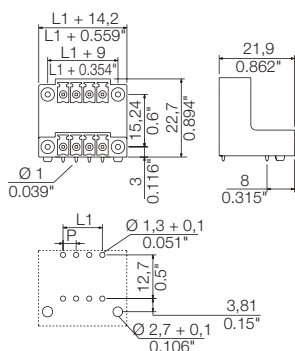
Solder pin length		3.2 mm		
Colour		black		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1033490000
6	7.62	0.300	50	1033510000
8	11.43	0.450	50	1033520000
10	15.24	0.600	50	1033530000
12	19.05	0.750	50	1033540000
14	22.86	0.900	50	1033550000
16	26.67	1.050	50	1033560000
18	30.48	1.200	50	1033570000
20	34.29	1.350	50	1033580000
22	38.10	1.500	50	1033590000
24	41.91	1.650	50	1033600000

SCDV-THR 3.81/././90F

with screw flange



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1033970000
6	7.62	0.300	50	1033980000
8	11.43	0.450	50	1033990000
10	15.24	0.600	50	1034010000
12	19.05	0.750	50	1034020000
14	22.86	0.900	50	1034030000
16	26.67	1.050	50	1034040000
18	30.48	1.200	50	1034050000
20	34.29	1.350	50	1034060000
22	38.10	1.500	50	1034070000
24	41.91	1.650	50	1034080000

SCDV-THR 3.81/./180



High-temperature-resistant, double-level male header for reflow soldering.

- Orientation: 180°
- Connections at two offset levels and open access to each row.
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	11	11
AWG conductor	AWG	-	
CSA (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	11	11
AWG conductor	AWG	-	
General data			
Type of insulation material	LCP GF		
UL 94 flammability rating	V-0		
Contact base material	Copper alloy		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 11 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

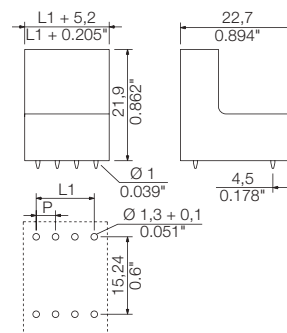
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCDV-THR 3.81/./180G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000
Mounting screw	
PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

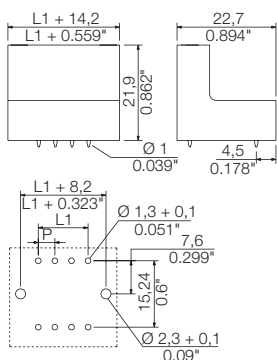
Solder pin length		3.2 mm		
Colour		black		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1035470000
6	7.62	0.300	50	1035480000
8	11.43	0.450	50	1035490000
10	15.24	0.600	50	1035510000
12	19.05	0.750	50	1035520000
14	22.86	0.900	50	1035530000
16	26.67	1.050	50	1035540000
18	30.48	1.200	50	1035550000
20	34.29	1.350	50	1035560000
22	38.10	1.500	50	1035570000
24	41.91	1.650	50	1035580000

SCDV-THR 3.81/././180F

with screw flange



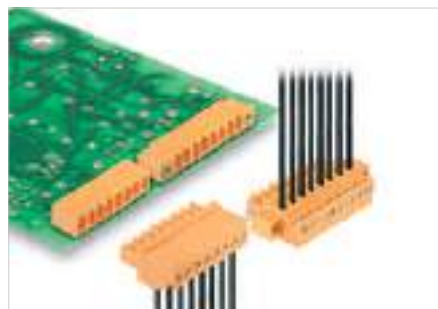
Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1035950000
6	7.62	0.300	50	1035960000
8	11.43	0.450	50	1035970000
10	15.24	0.600	50	1035980000
12	19.05	0.750	50	1035990000
14	22.86	0.900	50	1036010000
16	26.67	1.050	50	1036020000
18	30.48	1.200	50	1036030000
20	34.29	1.350	50	1036040000
22	38.10	1.500	50	1036050000
24	41.91	1.650	50	1036060000

SC 3.81/./90



Male header with plugging direction in parallel to the circuit board.

- Available in closed (G) version and with screw flange (F)

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors. They support a flood-light display and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	
Rated current	A	8	
AWG conductor	AWG		-
General data			
Type of insulation material		PA GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.2	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

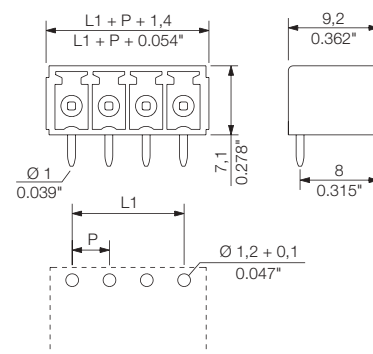
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC 3.81/./90G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000
LED light guide	
SC 3.81 FLA 1.5/14.25	1979730000
SC 3.81 FLA 2.3/14.25	1979750000
SC 3.81 FLA 1.5/16	1979720000
SC 3.81 FLA 2.3/16	1979740000

Ordering data

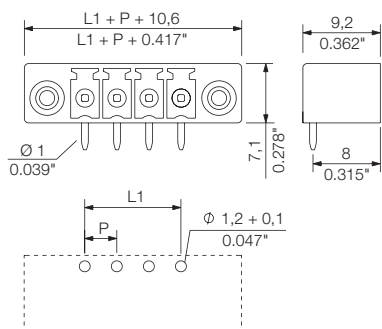
Solder pin length		3.2 mm		
Colour		orange		
Pitch	3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	198	1942020000
3	7.62	0.300	138	1942040000
4	11.43	0.450	108	1942070000
5	15.24	0.600	84	1942090000
6	19.05	0.750	72	1942100000
7	22.86	0.900	60	1942120000
8	26.67	1.050	54	1942130000
9	30.48	1.200	48	1942140000
10	34.29	1.350	42	1942150000
11	38.10	1.500	42	1942160000
12	41.91	1.650	36	1942170000

SC 3.81/..90F

with screw flange



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		3.81 mm	
Pol.	L1	(inch)	Qty. Order No.
2	3.81	0.150	96 1942450000
3	7.62	0.300	78 1942460000
4	11.43	0.450	66 1942470000
5	15.24	0.600	60 1942480000
6	19.05	0.750	54 1942490000
7	22.86	0.900	48 1942500000
8	26.67	1.050	42 1942510000
9	30.48	1.200	36 1942520000
10	34.29	1.350	36 1942530000
11	38.10	1.500	30 1942540000
12	41.91	1.650	30 1942550000

SC 3.81/./180



The 180° male header has a perpendicular plugging direction in relation to the circuit board. It is available in closed (G) and screw flange (F) versions.

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	
Rated current	A	8	
AWG conductor	AWG		-
General data			
Type of insulation material		PA GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.2	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

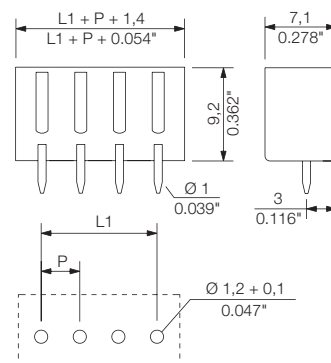
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC 3.81/./180G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000
Mounting screw	
PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

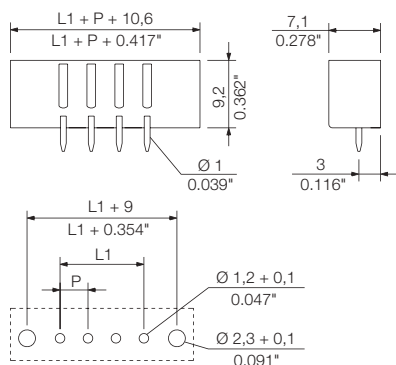
Solder pin length		3.2 mm		
Colour		orange		
Pitch	3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	198	1942840000
3	7.62	0.300	138	1942850000
4	11.43	0.450	50	1942860000
5	15.24	0.600	84	1942870000
6	19.05	0.750	72	1942880000
7	22.86	0.900	60	1942890000
8	26.67	1.050	54	1942900000
9	30.48	1.200	48	1942910000
10	34.29	1.350	42	1942920000
11	38.10	1.500	42	1942930000
12	41.91	1.650	36	1942940000

SC 3.81/././180F

with screw flange



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		3.81 mm	
Pol.	L1	(inch)	Qty. Order No.
2	3.81	0.150	96 1943180000
3	7.62	0.300	78 1943190000
4	11.43	0.450	66 1943200000
5	15.24	0.600	60 1943210000
6	19.05	0.750	54 1943220000
7	22.86	0.900	48 1943230000
8	26.67	1.050	42 1943240000
9	30.48	1.200	36 1943250000
10	34.29	1.350	36 1943260000
11	38.10	1.500	30 1943270000
12	41.91	1.650	30 1943280000

Connectors in 3.81 mm pitch Series BC/SC 3.81

SC 3.81../135



Male header with 135° plugging angle – (135° angle between the plugging direction and the solder pin). This corresponds to a 45° angle between the wire outlet and the circuit board.

- Available in Closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	
Rated current	A	11	
AWG conductor	AWG		-
General data			
Type of insulation material		PA GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.2	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

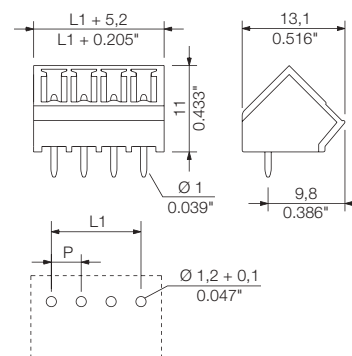
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC 3.81../135G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1975720000
3	7.62	0.300	50	1975770000
4	11.43	0.450	50	1975800000
5	15.24	0.600	50	1975810000
6	19.05	0.750	50	1975880000
7	22.86	0.900	50	1975900000
8	26.67	1.050	50	1975920000
9	30.48	1.200	50	1975930000
10	34.29	1.350	50	1975940000
11	38.10	1.500	50	1975950000
12	41.91	1.650	50	1975960000

K

3.81

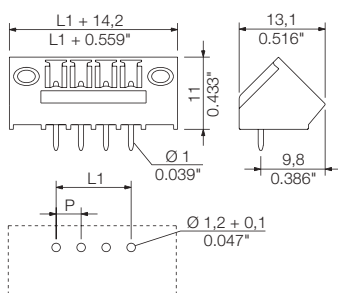
135°

SC 3.81/././135F

with screw flange



Dimensioned drawing

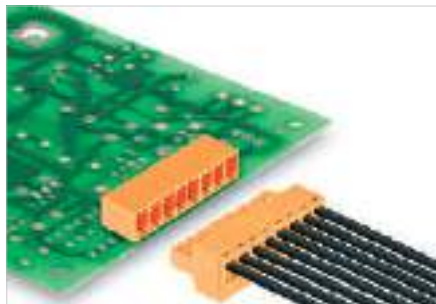


Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		3.81 mm	
Pol.	L1	(inch)	Qty. Order No.
2	3.81	0.150	50 1976740000
3	7.62	0.300	50 1976750000
4	11.43	0.450	50 1976760000
5	15.24	0.600	50 1976770000
6	19.05	0.750	50 1976780000
7	22.86	0.900	50 1976790000
8	26.67	1.050	50 1976800000
9	30.48	1.200	50 1976810000
10	34.29	1.350	50 1976820000
11	38.10	1.500	50 1976830000
12	41.91	1.650	50 1976840000



SC 3.81/./270



Male header with 270° plugging angle (270° angle between the plugging direction and the solder pin). This angle has a plugging direction that is parallel to the circuit board with female plugs plugged in upside down.

- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	-	
CSA (Use Group)	B C D		
Rated voltage	V	300	
Rated current	A	8	
AWG conductor	AWG	-	
General data			
Type of insulation material	PA GF		
UL 94 flammability rating	V-0		
Contact base material	Copper alloy		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.2	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

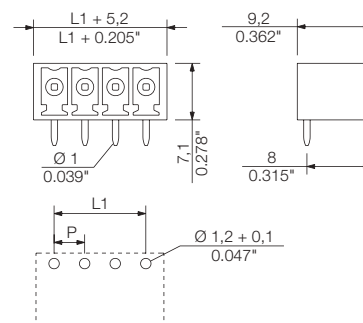
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC 3.81/./270G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000

Ordering data

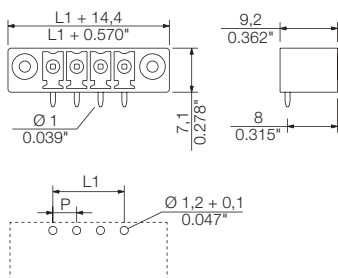
Solder pin length		3.2 mm		
Colour		orange		
Pitch	3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1037490000
3	7.62	0.300	50	1037510000
4	11.43	0.450	50	1037520000
5	15.24	0.600	50	1037530000
6	19.05	0.750	50	1037540000
7	22.86	0.900	50	1037550000
8	26.67	1.050	50	1037560000
9	30.48	1.200	50	1037570000
10	34.29	1.350	50	1037580000
11	38.10	1.500	50	1037590000
12	41.91	1.650	50	1037610000

SC 3.81/..../270F

with screw flange



Dimensioned drawing

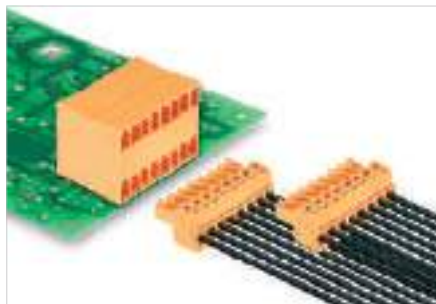


Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1038040000
3	7.62	0.300	50	1038050000
4	11.43	0.450	50	1038060000
5	15.24	0.600	50	1038070000
6	19.05	0.750	50	1038080000
7	22.86	0.900	50	1038090000
8	26.67	1.050	50	1038110000
9	30.48	1.200	50	1038130000
10	34.29	1.350	50	1038140000
11	38.10	1.500	50	1038150000
12	41.91	1.650	50	1038160000

Connectors in 3.81 mm pitch Series BC/SC 3.81

SCD 3.81../90



Double-level male header for wave soldering.

- Orientation: 90°
- Connections at the same level with access that is flush over the front of the board.
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	-	
CSA (Use Group)	B C D		
Rated voltage	V	300	
Rated current	A	11	
AWG conductor	AWG	-	
General data			
Type of insulation material	PA GF		
UL 94 flammability rating	V-0		
Contact base material	Copper alloy		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.2	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

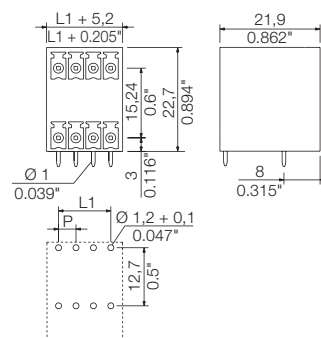
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCD 3.81../90G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	132	1972790000
6	7.62	0.300	92	1972800000
8	11.43	0.450	72	1972810000
10	15.24	0.600	56	1972820000
12	19.05	0.750	48	1972830000
14	22.86	0.900	40	1972840000
16	26.67	1.050	36	1972850000
18	30.48	1.200	32	1972860000
20	34.29	1.350	28	1972870000
22	38.10	1.500	24	1972880000
24	41.91	1.650	24	1972890000

K

3.81

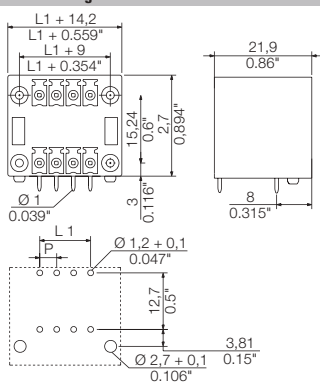
90°

SCD 3.81/.. /90F

with screw flange



Dimensioned drawing

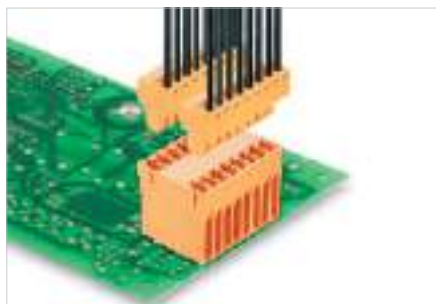


Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	64	1973260000
6	7.62	0.300	52	1973270000
8	11.43	0.450	44	1973280000
10	15.24	0.600	40	1973290000
12	19.05	0.750	36	1973300000
14	22.86	0.900	32	1973310000
16	26.67	1.050	28	1973320000
18	30.48	1.200	24	1973330000
20	34.29	1.350	24	1973340000
22	38.10	1.500	20	1973350000
24	41.91	1.650	20	1973360000



SCD 3.81../180



Double-level male header for wave soldering.

- Outlet direction: 180°
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.		17.5	17
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	
Rated current	A	11	
AWG conductor	AWG		-
General data			
Type of insulation material		PA GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.2	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

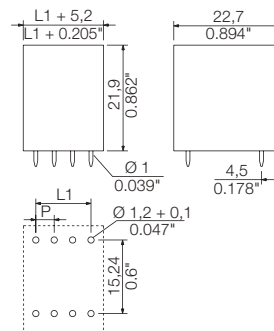
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCD 3.81../180G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000
Mounting screw	
PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

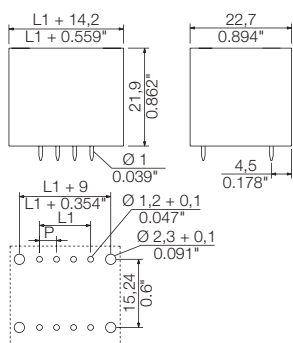
Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	132	1029920000
6	7.62	0.300	92	1029940000
8	11.43	0.450	72	1029950000
10	15.24	0.600	56	1029960000
12	19.05	0.750	48	1029970000
14	22.86	0.900	40	1029980000
16	26.67	1.050	36	1029990000
18	30.48	1.200	32	1030010000
20	34.29	1.350	28	1030020000
22	38.10	1.500	24	1030030000
24	41.91	1.650	24	1030040000

SCD 3.81/..../180F

with screw flange



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	64	1030440000
6	7.62	0.300	52	1030450000
8	11.43	0.450	44	1030460000
10	15.24	0.600	40	1030470000
12	19.05	0.750	36	1030480000
14	22.86	0.900	32	1030490000
16	26.67	1.050	28	1030510000
18	30.48	1.200	24	1030520000
20	34.29	1.350	24	1030530000
22	38.10	1.500	20	1030540000
24	41.91	1.650	20	1030550000

SCDN 3.81/./90



Compact double-level male header for wave soldering.

- For use with BCF 3.81 (PUSH IN) plugs.
- Orientation: 90°
- Designed for front panel applications.
- Available in closed (G) version or with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	-	
CSA (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	11	11
AWG conductor	AWG	-	
General data			
Type of insulation material	PA GF		
UL 94 flammability rating	V-0		
Contact base material	Copper alloy		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.2	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

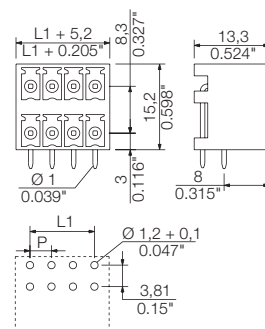
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCDN 3.81/./90G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000

Ordering data

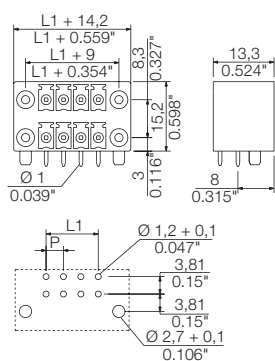
Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1040410000
6	7.62	0.300	50	1040420000
8	11.43	0.450	50	1040430000
10	15.24	0.600	50	1040440000
12	19.05	0.750	50	1040450000
14	22.86	0.900	50	1040460000
16	26.67	1.050	50	1040470000
18	30.48	1.200	50	1040490000
20	34.29	1.350	50	1040510000
22	38.10	1.500	50	1040520000
24	41.91	1.650	50	1040530000

SCDN 3.81../90F

with screw flange



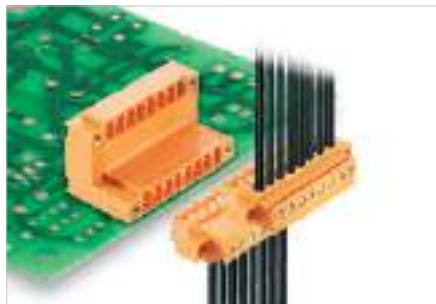
Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1040960000
6	7.62	0.300	50	1040970000
8	11.43	0.450	50	1040980000
10	15.24	0.600	50	1040990000
12	19.05	0.750	50	1041000000
14	22.86	0.900	50	1041010000
16	26.67	1.050	50	1041020000
18	30.48	1.200	50	1041030000
20	34.29	1.350	50	1041040000
22	38.10	1.500	50	1041050000
24	41.91	1.650	50	1041060000

SCDV 3.81../90



Double level male header for wave soldering.

- Orientation: 90°
- Connections at two offset levels with open access to each row.
- Available in closed (G) version or with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	17.5	17	
At ambient temperature	20°C	40°C	
For conductor cross-section			
Overvoltage category	III	III	II
Pollution severity	3	2	2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	-	-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	11	11
AWG conductor	AWG	-	-
General data			
Type of insulation material	PA GF		
UL 94 flammability rating	V-0		
Contact base material	Copper alloy		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.2	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

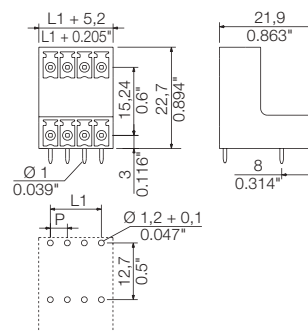
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCDV 3.81../90G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000

Ordering data

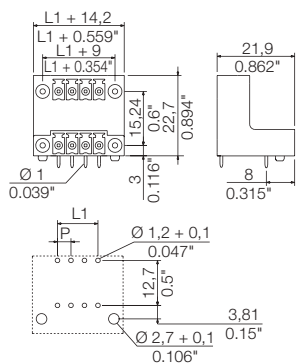
Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1032090000
6	7.62	0.300	50	1032110000
8	11.43	0.450	50	1032120000
10	15.24	0.600	50	1032130000
12	19.05	0.750	50	1032140000
14	22.86	0.900	50	1032150000
16	26.67	1.050	50	1032160000
18	30.48	1.200	50	1032170000
20	34.29	1.350	50	1032190000
22	38.10	1.500	50	1032200000
24	41.91	1.650	50	1032210000

SCDV 3.81/./90F

with screw flange



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1032580000
6	7.62	0.300	50	1032590000
8	11.43	0.450	50	1032600000
10	15.24	0.600	50	1032610000
12	19.05	0.750	50	1032620000
14	22.86	0.900	50	1032630000
16	26.67	1.050	50	1032640000
18	30.48	1.200	50	1032650000
20	34.29	1.350	50	1032660000
22	38.10	1.500	50	1032670000
24	41.91	1.650	50	1032680000

SCDV 3.81/./180



Double-level male header for wave soldering.

- Orientation: 180°.
- Connections at two offset levels with open access to each row.
- Available in closed (G) version or with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

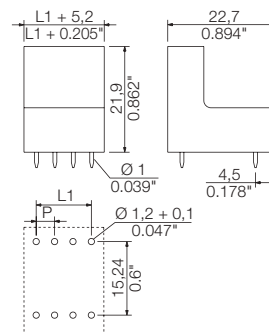
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For additional mechanical support for male connectors with screw flange (...F), we recommend an additional cable gland with fastening screws (sheet metal screw ISO 1481-ST 2.2x4.5 C or ISO 7049-ST 2.2x4.5 C - see Accessories). Cable gland only permitted before soldering.

SCDV 3.81/./180G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	17.5	17	
At ambient temperature	20°C	40°C	
For conductor cross-section			
Overvoltage category	III	III	II
Pollution severity	3	2	2
Rated voltage	V	160	160
Rated impulse voltage	kV	2.5	2.5
UL / CUL (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	-	-
CSA (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	11	11
AWG conductor	AWG	-	-
General data			
Type of insulation material	PA GF		
UL 94 flammability rating	V-0		
Contact base material	Copper alloy		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.2	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000
Mounting screw	
PTSC KA 2.2x4.5 WN1412	1610740000

Ordering data

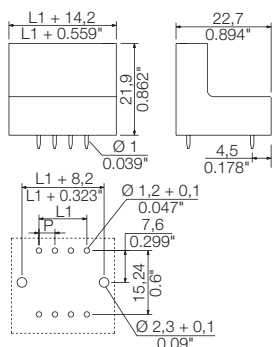
Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1034470000
6	7.62	0.300	50	1034490000
8	11.43	0.450	50	1034510000
10	15.24	0.600	50	1034520000
12	19.05	0.750	50	1034530000
14	22.86	0.900	50	1034540000
16	26.67	1.050	50	1034550000
18	30.48	1.200	50	1034560000
20	34.29	1.350	50	1034570000
22	38.10	1.500	50	1034580000
24	41.91	1.650	50	1034590000

SCDV 3.81/./180F

with screw flange



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.81	0.150	50	1034980000
6	7.62	0.300	50	1034990000
8	11.43	0.450	50	1035010000
10	15.24	0.600	50	1035020000
12	19.05	0.750	50	1035030000
14	22.86	0.900	50	1035040000
16	26.67	1.050	50	1035050000
18	30.48	1.200	50	1035060000
20	34.29	1.350	50	1035070000
22	38.10	1.500	50	1035080000
24	41.91	1.650	50	1035090000



SCZ 3.81../180



Inverted male plug with screw connection:

- Wire-to-wire connection with the BCZ female plug
- Board-to-wire connection with the BCL-SMT female header.
- Available in closed (G) version, screw flange (F), inverted flange (FI) and with lock and release lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.2...1.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.4 x 2.5	
		According to norm	
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1	
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-16	
CSA (Use Group)		B	C D
Rated voltage	V	300	50
Rated current	A	11	11
AWG conductor	AWG	28-16	
General data			
Type of insulation material		PA 66 GF 30	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16



For additional articles and information, refer to catalog.weidmueller.com

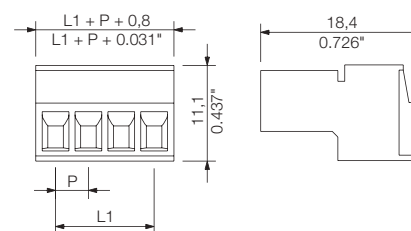
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SCZ 3.81../180G



Dimensioned drawing



Accessories

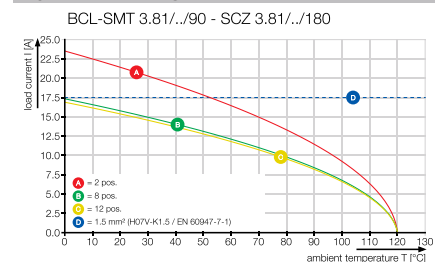
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000
Screwdriver	
SDS 0.4X2.5X75	2749320000
SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length					
Colour	orange				
Pitch	3.81 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	3.81	0.150	50	1969520000	
3	7.62	0.300	50	1969540000	
4	11.43	0.450	50	1969560000	
5	15.24	0.600	50	1969570000	
6	19.05	0.750	50	1969580000	
7	22.86	0.900	50	1969590000	
8	26.67	1.050	50	1969610000	
9	30.48	1.200	50	1969630000	
10	34.29	1.350	50	1969640000	
11	38.10	1.500	50	1969660000	
12	41.91	1.650	50	1969670000	

Representative deratings curve

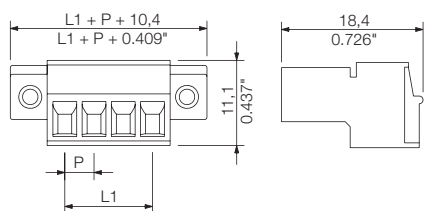


SCZ 3.81../180F

with screw flange



Dimensioned drawing



Ordering data

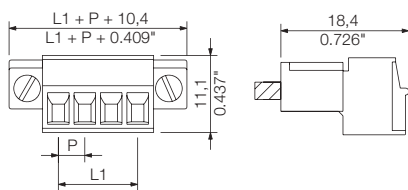
Solder pin length					
Colour					orange
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	3.81	0.150	50	1970910000	
3	7.62	0.300	50	1970920000	
4	11.43	0.450	50	1970930000	
5	15.24	0.600	50	1970940000	
6	19.05	0.750	50	1970960000	
7	22.86	0.900	50	1970970000	
8	26.67	1.050	50	1970980000	
9	30.48	1.200	50	1970990000	
10	34.29	1.350	50	1971000000	
11	38.10	1.500	50	1971010000	
12	41.91	1.650	50	1971020000	

SCZ 3.81../180FI

with inverted flange



Dimensioned drawing



Ordering data

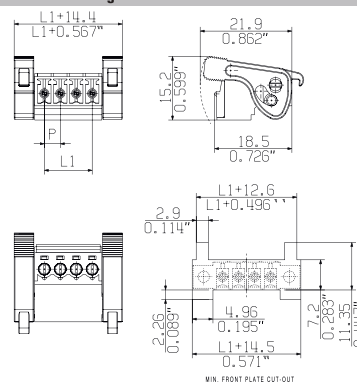
Solder pin length					
Colour					orange
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	3.81	0.150	50	1970260000	
3	7.62	0.300	50	1970270000	
4	11.43	0.450	50	1970310000	
5	15.24	0.600	50	1970320000	
6	19.05	0.750	50	1970340000	
7	22.86	0.900	50	1970350000	
8	26.67	1.050	50	1970360000	
9	30.48	1.200	50	1970390000	
10	34.29	1.350	50	1970410000	
11	38.10	1.500	50	1970420000	
12	41.91	1.650	50	1970430000	

SCZ 3.81../180LR

with screw flange



Dimensioned drawing

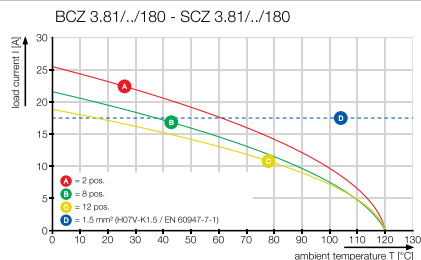
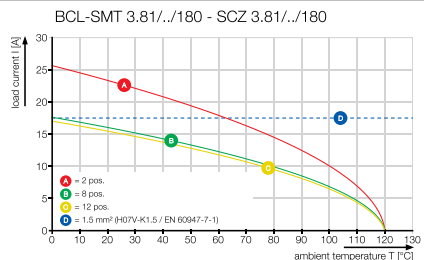


Ordering data

Solder pin length					
Colour					orange
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	3.81	0.150	50	2442050000	
3	7.62	0.300	50	2444060000	
4	11.43	0.450	50	2444090000	
5	15.24	0.600	50	2444100000	
6	19.05	0.750	50	2444110000	
7	22.86	0.900	50	2444120000	
8	26.67	1.050	50	2444130000	
9	30.48	1.200	50	2444140000	
10	34.29	1.350	50	2444150000	
11	38.10	1.500	50	2444160000	
12	41.91	1.650	50	2444170000	

K

Additional deratings curves



SCZ 3.81../180 ZE



Inverted male plug with screw connection and strain relief for the connected wire.

- Wire-to-wire connection with female plugs.
- Board-to-wire connection with BCL-SMT female header.
- Available in closed (G) version, screw flange (F), inverted flange (FI) and with lock and release lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5
Solid core H05(07) V-U	mm²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1.5
Stripping length	mm	7
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264

Tightening torque range

Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C

For conductor cross-section	mm ²	1
Overvoltage category		III III II
Pollution severity		3 2 2

Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5

UL / CUL (Use Group)

Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-16	

CSA (Use Group)

Rated voltage	V	300	50
Rated current	A	11	11
AWG conductor	AWG	28-16	

General data

Type of insulation material		PA 66 GF 30
UL 94 flammability rating		V-0
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

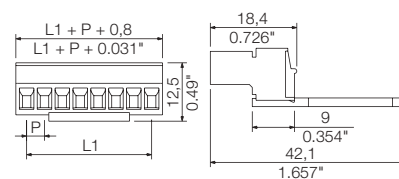
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SCZ 3.81../180GZE

with strain relief



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

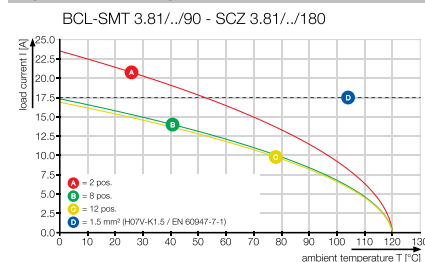
Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000
Screwdriver	
SDS 0.4X2.5X75	2749320000
SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				
Colour	orange			
Pitch	3.81 mm		Qty.	Order No.
Pol.	L1	(inch)		
4	11.43	0.450	50	1237000000
5	15.24	0.600	50	1237010000
6	19.05	0.750	50	1237020000
7	22.86	0.900	50	1237030000
8	26.67	1.050	50	1237040000
9	30.48	1.200	50	1237070000
10	34.29	1.350	50	1237080000
11	38.10	1.500	50	1237090000
12	41.91	1.650	50	1237100000

from 10 pole 2 strain reliefs per plug-in connector

Representative deratings curve



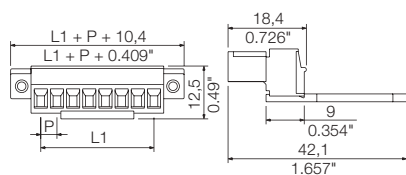
from 10 pole 2 strain reliefs per plug-in connector

SCZ 3.81../180FZE

with screw flange and strain relief



Dimensioned drawing



Ordering data

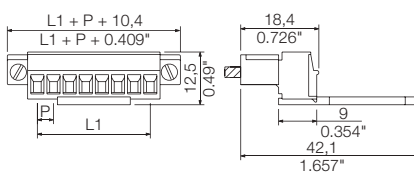
Solder pin length					
Colour		orange			
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	
4	11.43	0.450	50	1237120000	
5	15.24	0.600	50	1237130000	
6	19.05	0.750	50	1237140000	
7	22.86	0.900	50	1237170000	
8	26.67	1.050	50	1237180000	
9	30.48	1.200	50	1237190000	
10	34.29	1.350	50	1237200000	
11	38.10	1.500	50	1237210000	
12	41.91	1.650	50	1237220000	

SCZ 3.81../180FZE

with inverted screw flange and strain relief



Dimensioned drawing



Ordering data

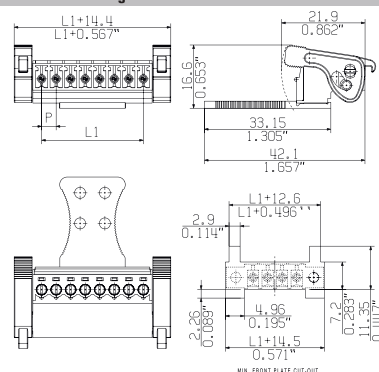
Solder pin length					
Colour		orange			
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	
4	11.43	0.450	50	1237550000	
5	15.24	0.600	50	1237560000	
6	19.05	0.750	50	1237570000	
7	22.86	0.900	50	1237580000	
8	26.67	1.050	50	1237590000	
9	30.48	1.200	50	1237610000	
10	34.29	1.350	50	1237620000	
11	38.10	1.500	50	1237630000	
12	41.91	1.650	50	1237640000	

SCZ 3.81../180LRZE

with screw flange and strain relief



Dimensioned drawing



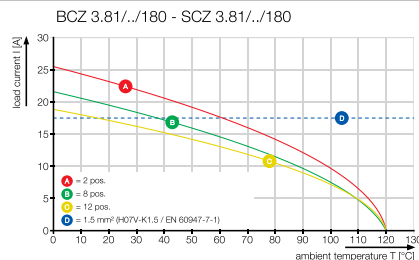
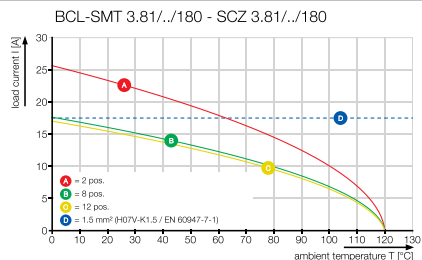
Ordering data

Solder pin length					
Colour		orange			
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	
4	11.43	0.450	50	2444240000	
5	15.24	0.600	50	2444220000	
6	19.05	0.750	50	2444270000	
7	22.86	0.900	50	2444200000	
8	26.67	1.050	50	2444260000	
9	30.48	1.200	50	2444230000	
10	34.29	1.350	50	2444290000	
11	38.10	1.500	50	2444250000	
12	41.91	1.650	50	2444280000	

from 10 pole 2 strain reliefs per plug-in connector

from 10 pole 2 strain reliefs per plug-in connector

Additional deratings curves



BCZ 3.81../180



Female plug with screw connection. Wire outlet 180° (wire is straight on to the direction of plugging).

- Available in closed version, with screw flange (F) and lock and release-lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.2...1.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.4 x 2.5	
		According to norm DIN 5264	
Tightening torque range			
Rated current, max.	A	17.5	17
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-16	
CSA (Use Group)		B	C D
Rated voltage	V	300	50
Rated current	A	8	8
AWG conductor	AWG	28-16	
General data			
Type of insulation material		PA 66 GF 30	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16



For additional articles and information, refer to catalog.weidmueller.com

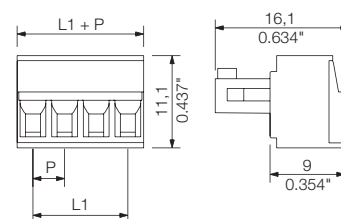
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BCZ 3.81../180



Dimensioned drawing



Accessories

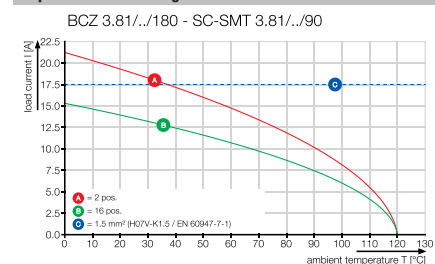
Note: Refer to the Accessories chapter for additional accessories.

Hood	Order No.
BCZ 3.81 AH03 BK BX	1005280000
BCZ 3.81 AH04 BK BX	1005290000
BCZ 3.81 AH05 BK BX	1005300000
BCZ 3.81 AH06 BK BX	1005310000
BCZ 3.81 AH07 BK BX	1005320000
BCZ 3.81 AH08 BK BX	1005330000
BCZ 3.81 AH09 BK BX	1005340000
BCZ 3.81 AH10 BK BX	1005350000
BCZ 3.81 AH12 BK BX	1005370000
BCZ 3.81 AH13 BK BX	1005380000
BCZ 3.81 AH14 BK BX	1005390000
BCZ 3.81 AH15 BK BX	1005400000
BCZ 3.81 AH16 BK BX	1005410000
Screwdriver	
SDS 0.4X2.5X75	2749320000
SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				
Colour	orange			
Pitch	3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1940730000
3	7.62	0.300	50	1940740000
4	11.43	0.450	50	1940750000
5	15.24	0.600	50	1940760000
6	19.05	0.750	50	1940770000
7	22.86	0.900	50	1940780000
8	26.67	1.050	50	1940790000
9	30.48	1.200	50	1940800000
10	34.29	1.350	50	1940810000
11	38.10	1.500	50	1940820000
12	41.91	1.650	50	1940830000

Representative deratings curve

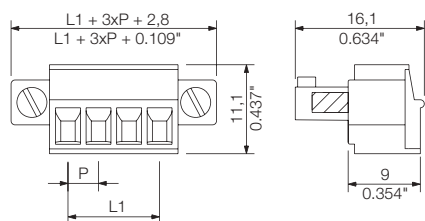


BCZ 3.81../180F

with screw flange



Dimensioned drawing



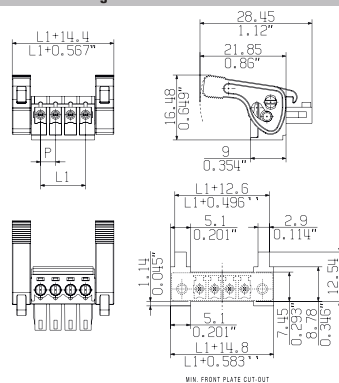
Ordering data

Solder pin length					
Colour		orange			
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	3.81	0.150	50	1941010000	
3	7.62	0.300	50	1941020000	
4	11.43	0.450	50	1941030000	
5	15.24	0.600	50	1941040000	
6	19.05	0.750	50	1941050000	
7	22.86	0.900	50	1941060000	
8	26.67	1.050	50	1941070000	
9	30.48	1.200	50	1941080000	
10	34.29	1.350	50	1941090000	
11	38.10	1.500	50	1941100000	
12	41.91	1.650	50	1941110000	

BCZ 3.81../180LR



Dimensioned drawing

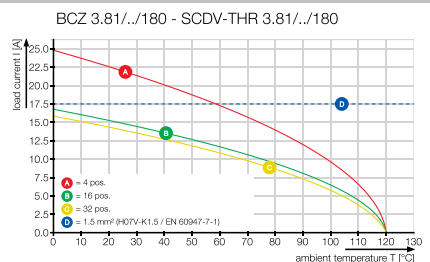
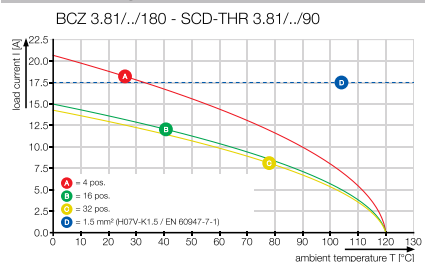


Ordering data

Solder pin length					
Colour		orange			
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	3.81	0.150	50	2442360000	
3	7.62	0.300	50	2442370000	
4	11.43	0.450	50	2442310000	
5	15.24	0.600	50	2442320000	
6	19.05	0.750	50	2442330000	
7	22.86	0.900	50	2442340000	
8	26.67	1.050	50	2442380000	
9	30.48	1.200	50	2442390000	
10	34.29	1.350	50	2442400000	
11	38.10	1.500	50	2442350000	
12	41.91	1.650	50	2442410000	



Additional deratings curves



Connectors in 3.81 mm pitch Series BC/SC 3.81

BCZ 3.81../180 ZE



Female plug with screw connection and strain relief for the connected wire. Wire outlet 180° (wire is straight on to the direction of plugging).

- Available in closed version, with screw flange (F) and lock and release-lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1.5
Stripping length	mm	7
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264

Tightening torque range

Rated current, max.	A	17.5	17
At ambient temperature		20°C	40°C

For conductor cross-section	mm ²	1
Overtoltage category		III III II
Pollution severity		3 2 2

Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5

UL / CUL (Use Group)	B	C	D
-----------------------------	----------	----------	----------

Rated voltage	V	300	300
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Rated current	A	10	10
----------------------	----------	-----------	-----------

AWG conductor	AWG	28-16
----------------------	------------	--------------

CSA (Use Group)	B	C	D
------------------------	----------	----------	----------

Rated voltage	V	300	50
Rated current	A	8	8
AWG conductor	AWG	28-16	

General data

Type of insulation material		PA 66 GF 30
UL 94 flammability rating		V-0
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

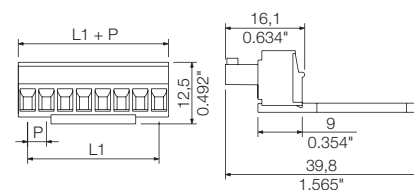
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BCZ 3.81../180ZE

with strain relief



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

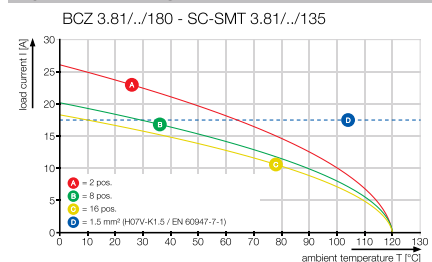
Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				
Colour	orange			
Pitch	3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.
5	15.24	0.600	50	1236270000
6	19.05	0.750	50	1236280000
7	22.86	0.900	50	1236290000
8	26.67	1.050	50	1236300000
9	30.48	1.200	50	1236320000
10	34.29	1.350	50	1236330000
11	38.10	1.500	50	1236340000
12	41.91	1.650	50	1236370000

from 10 pole 2 strain reliefs per plug-in connector

Representative deratings curve



from 10 pole 2 strain reliefs per plug-in connector

K

3.81

180°

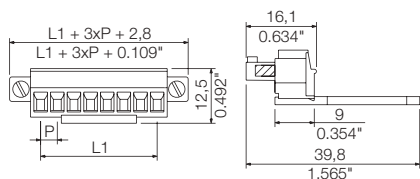
1.5 mm²

BCZ 3.81../180FZE

with screw flange and strain relief



Dimensioned drawing



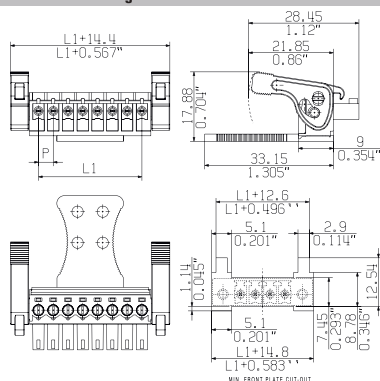
Ordering data

Solder pin length					
Colour		orange			
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	
5	15.24	0.600	50	1236530000	
6	19.05	0.750	50	1236540000	
7	22.86	0.900	50	1236570000	
8	26.67	1.050	50	1236590000	
9	30.48	1.200	50	1236600000	
10	34.29	1.350	50	1236610000	
11	38.10	1.500	50	1236620000	
12	41.91	1.650	50	1236630000	

BCZ 3.81../180LRZE



Dimensioned drawing

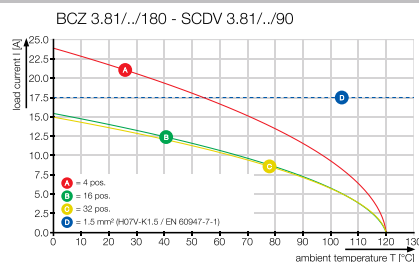
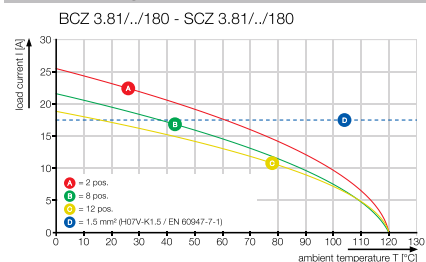


Ordering data

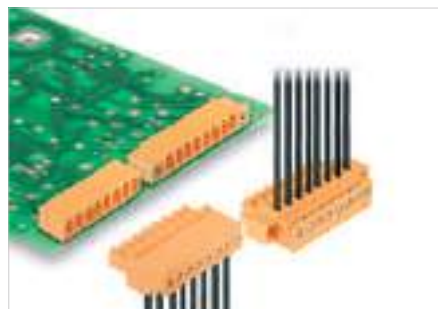
Solder pin length					
Colour		orange			
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	
5	15.24	0.600	50	2442030000	
6	19.05	0.750	50	2442260000	
7	22.86	0.900	50	2442210000	
8	26.67	1.050	50	2442290000	
9	30.48	1.200	50	2442300000	
10	34.29	1.350	50	2442240000	
11	38.10	1.500	50	2442220000	
12	41.91	1.650	50	2442270000	

from 10 pole 2 strain reliefs per plug-in connector

Additional deratings curves



BCZ 3.81../90 & 270



Female plug with screw connection.

Wire outlet direction:

- 90° - wire perpendicular to plugging direction and above
- 270° - wire perpendicular to plugging direction and below
- Available in closed version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5	
Solid core H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.2...1.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264	
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1	
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-16	
CSA (Use Group)		B	C D
Rated voltage	V	300	50
Rated current	A	8	8
AWG conductor	AWG	28-16	
General data			
Type of insulation material		PA 66 GF 30	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16



For additional articles and information, refer to catalog.weidmueller.com

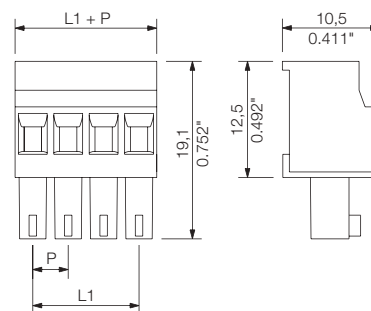
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BCZ 3.81../90




Dimensioned drawing



Accessories

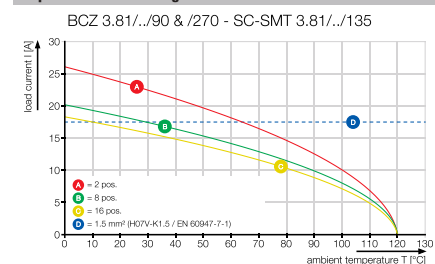
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000

Ordering data

Solder pin length				
Colour	orange			
Pitch	3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1939820000
3	7.62	0.300	50	1939830000
4	11.43	0.450	50	1939840000
5	15.24	0.600	50	1939860000
6	19.05	0.750	50	1939870000
7	22.86	0.900	50	1939880000
8	26.67	1.050	50	1939890000
9	30.48	1.200	50	1939900000
10	34.29	1.350	50	1939910000
11	38.10	1.500	50	1939920000
12	41.91	1.650	50	1939930000

Representative deratings curve

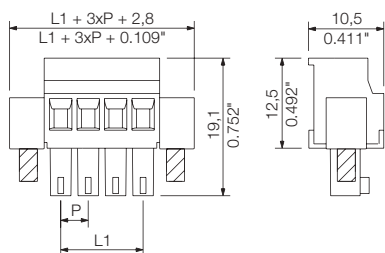


BCZ 3.81../90F

with screw flange



Dimensioned drawing



Ordering data

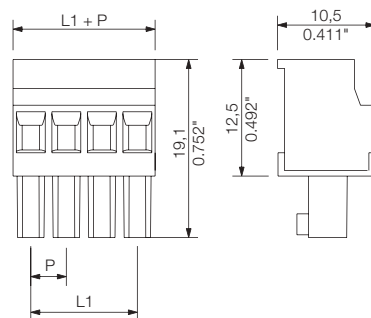
Solder pin length					
Colour		orange			
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	3.81	0.150	50	1939980000	
3	7.62	0.300	50	1939990000	
4	11.43	0.450	50	1940000000	
5	15.24	0.600	50	1940010000	
6	19.05	0.750	50	1940020000	
7	22.86	0.900	50	1940030000	
8	26.67	1.050	50	1940040000	
9	30.48	1.200	50	1940050000	
10	34.29	1.350	50	1940060000	
11	38.10	1.500	50	1940070000	
12	41.91	1.650	50	1940080000	

BCZ 3.81../270

with screw flange



Dimensioned drawing



Ordering data

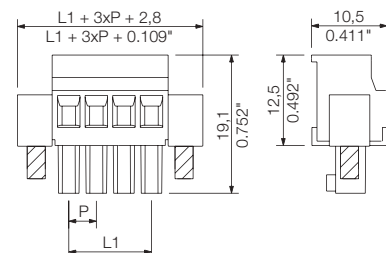
Solder pin length					
Colour		orange			
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	3.81	0.150	50	1940190000	
3	7.62	0.300	50	1940200000	
4	11.43	0.450	50	1940210000	
5	15.24	0.600	50	1940220000	
6	19.05	0.750	50	1940230000	
7	22.86	0.900	50	1940240000	
8	26.67	1.050	50	1940250000	
9	30.48	1.200	50	1940260000	
10	34.29	1.350	50	1940270000	
11	38.10	1.500	50	1940280000	
12	41.91	1.650	50	1940290000	

BCZ 3.81../270F

with screw flange



Dimensioned drawing



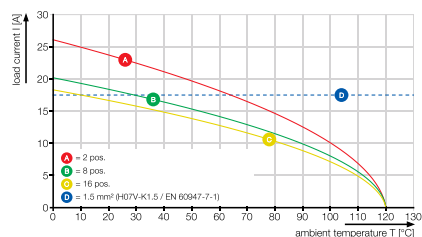
Ordering data

Solder pin length					
Colour		orange			
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	3.81	0.150	50	1940460000	
3	7.62	0.300	50	1940470000	
4	11.43	0.450	50	1940480000	
5	15.24	0.600	50	1940490000	
6	19.05	0.750	50	1940500000	
7	22.86	0.900	50	1940510000	
8	26.67	1.050	50	1940520000	
9	30.48	1.200	50	1940530000	
10	34.29	1.350	50	1940540000	
11	38.10	1.500	50	1940550000	
12	41.91	1.650	50	1940560000	



Additional deratings curves

BCZ 3.81../90 & /270 - SC 3.81../135



BCF 3.81/./180



Female plug with PUSH IN wire connection.

- Simply insert the wire and it's ready.
- Integrated push-button for opening the terminal point
- High component density because of very low height, especially when combined with the compact double-level SCDN / SCDN-THR male header.
- Available in closed version, with screw flange (F) and lock a release-lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.14...1.5	
Solid core H05(07) V-U	mm²	0.14...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.14...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1	
Stripping length	mm	9	
Screwdriver blade	mm	0.4 x 2.5	
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1	
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-16	
CSA (Use Group)		B	C D
Rated voltage	V	300	50 300
Rated current	A	11	11 11
AWG conductor	AWG	26-16	
General data			
Type of insulation material		PA 66 GF 30	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 320 V / 17.5 A / 0.14 - 1.5 mm²
UL: 300 V / 10 A / AWG 26 - 16



For additional articles and information, refer to catalog.weidmueller.com

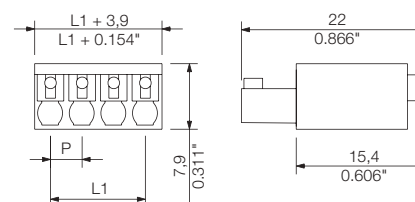
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Conductors suitable for connection: 1.5 mm² with wire-end ferrule with plastic collar, DIN 46 228/1, with a rated voltage of 125V/2.5 kV with III/3 or 250 V/2.5 kV with II/2
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.

BCF 3.81/./180





Dimensioned drawing



Accessories

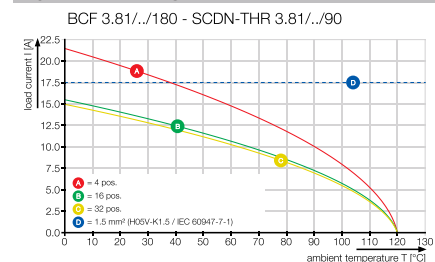
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000
Pressing tool		
	PZ 6/5	9011460000
	PZ 1.5	9005990000

Ordering data

Solder pin length					
Colour	orange				
Pitch	3.81 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	3.81	0.150	50	1969090000	
3	7.62	0.300	50	1969100000	
4	11.43	0.450	50	1969110000	
5	15.24	0.600	50	1969120000	
6	19.05	0.750	50	1969130000	
7	22.86	0.900	50	1969140000	
8	26.67	1.050	50	1969150000	
9	30.48	1.200	50	1969160000	
10	34.29	1.350	50	1969170000	
11	38.10	1.500	50	1969180000	
12	41.91	1.650	50	1969190000	

Representative deratings curve

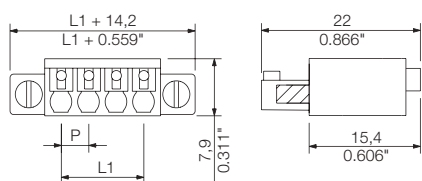


BCF 3.81../180F

with screw flange



Dimensioned drawing



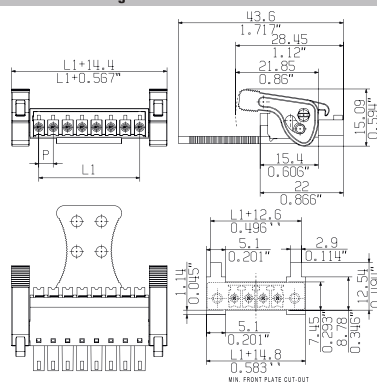
Ordering data

Solder pin length					
Colour					orange
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	3.81	0.150	50	1970300000	
3	7.62	0.300	50	1970330000	
4	11.43	0.450	50	1970370000	
5	15.24	0.600	50	1970380000	
6	19.05	0.750	50	1970400000	
7	22.86	0.900	50	1970440000	
8	26.67	1.050	50	1970550000	
9	30.48	1.200	50	1970570000	
10	34.29	1.350	50	1970580000	
11	38.10	1.500	50	1970620000	
12	41.91	1.650	50	1970650000	

BCF 3.81../180LR



Dimensioned drawing

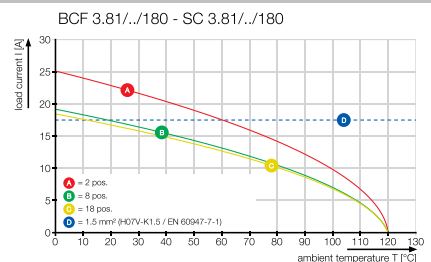
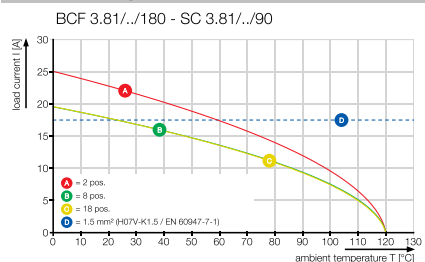


Ordering data

Solder pin length					
Colour					orange
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	3.81	0.150	50	2442040000	
3	7.62	0.300	50	2442610000	
4	11.43	0.450	50	2442620000	
5	15.24	0.600	50	2442630000	
6	19.05	0.750	50	2442640000	
7	22.86	0.900	50	2442650000	
8	26.67	1.050	50	2442660000	
9	30.48	1.200	50	2442670000	
10	34.29	1.350	50	2442680000	
11	38.10	1.500	50	2442690000	
12	41.91	1.650	50	2442700000	



Additional deratings curves



BCF 3.81../180 ZE



Female plug with strain relief (ZE) for the connected wire.

- PUSH IN wire connection method
- Simply insert the prepared wire and attach the strain relief mechanism
- Intuitive handling - since the wire-entry area and handling area are clearly separated.

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.14 - 1.5 mm²
UL: 300 V / 10 A / AWG 26 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

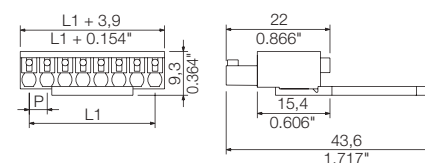
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Conductors suitable for connection: 1.5 mm² with wire-end ferrule with plastic collar, DIN 46 228/1, with a rated voltage of 125V/2.5 kV with III/3 or 250 V/2.5 kV with II/2
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.

BCF 3.81../180ZE

with strain relief



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.14...1.5	
Solid core H05(07) V-U	mm²	0.14...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.14...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1	
Stripping length	mm	9	
Screwdriver blade	mm	0.4 x 2.5	
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1	
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-16	
CSA (Use Group)		B	C D
Rated voltage	V	300	50 300
Rated current	A	11	11 11
AWG conductor	AWG	26-16	
General data			
Type of insulation material		PA 66 GF 30	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

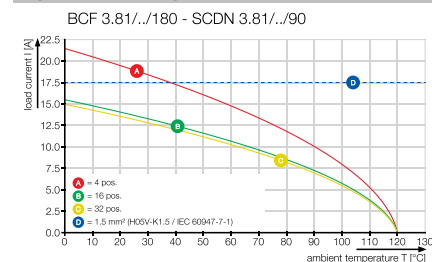
Screwdriver		Order No.
	SDS 0.4X2.5X75	2749320000
	SDIS 0.4X2.5X75	2749790000
Pressing tool		
	PZ 6/5	9011460000
	PZ 1.5	9005990000

Ordering data

Solder pin length					
Colour	orange				
Pitch	3.81 mm				
Pol.	L1	(inch)	Qty.	Order No.	
5	15.24	0.600	50	1235790000	
6	19.05	0.750	50	1235800000	
7	22.86	0.900	50	1235810000	
8	26.67	1.050	50	1235820000	
9	30.48	1.200	50	1235830000	
10	34.29	1.350	50	1235840000	
11	38.10	1.500	50	1235870000	
12	41.91	1.650	50	1235880000	

from 10 pole 2 strain reliefs per plug-in connector

Representative deratings curve



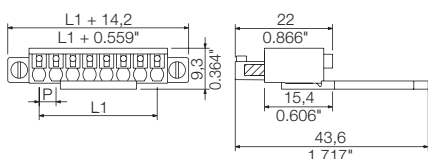
from 10 pole 2 strain reliefs per plug-in connector

BCF 3.81../180FZE

with screw flange and strain relief



Dimensioned drawing



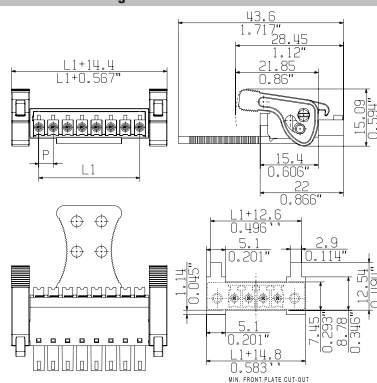
Ordering data

Solder pin length					
Colour					orange
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	
5	15.24	0.600	50	1235970000	
6	19.05	0.750	50	1235980000	
7	22.86	0.900	50	1235990000	
8	26.67	1.050	50	1236000000	
9	30.48	1.200	50	1236010000	
10	34.29	1.350	50	1236020000	
11	38.10	1.500	50	1236030000	
12	41.91	1.650	50	1236040000	

BCF 3.81../180LRZE



Dimensioned drawing

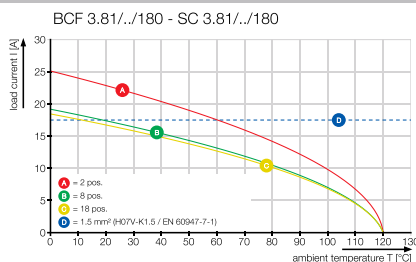
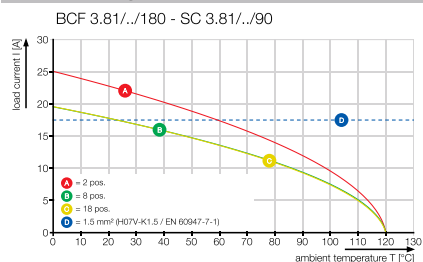


Ordering data

Solder pin length					
Colour					orange
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	
5	15.24	0.600	50	2442960000	
6	19.05	0.750	50	2443010000	
7	22.86	0.900	50	2443060000	
8	26.67	1.050	50	2443020000	
9	30.48	1.200	50	2443030000	
10	34.29	1.350	50	2442910000	
11	38.10	1.500	50	2442920000	
12	41.91	1.650	50	2443050000	

from 10 pole 2 strain reliefs per plug-in connector

Additional deratings curves



Connectors in 3.81 mm pitch Series BC/SC 3.81

BCL-SMT 3.81/./90



Inverted female headers for:

- Touch-safety on the circuit board with board-to-wire connection (with the SCZ)
- Board-to-board component connection (with SC/SC-SMT)
- Works with reflow soldering and automatic placement.
- Orientation: 90°
- Available in closed version with screw Flange (F) and inverted solder flange (LFI).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

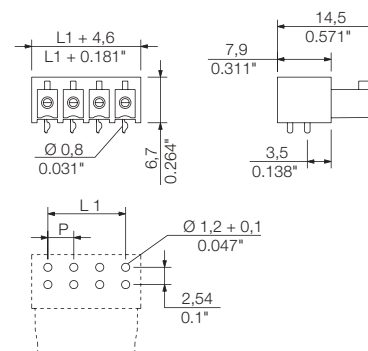
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BCL-SMT 3.81/./90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	50
Rated current	A	11	11
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8	
Solder eyelet Ø = D	mm	1.2	
Solder eyelet Ø tolerance	mm	+ 0,1	

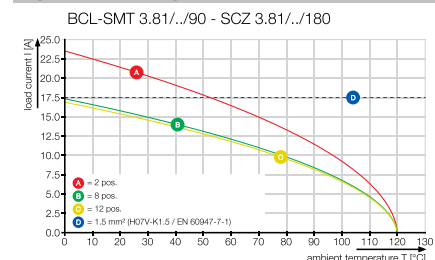
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length	1.5 mm			
Colour	black			
Pitch	3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1974750000
3	7.62	0.300	50	1974770000
4	11.43	0.450	50	1974780000
5	15.24	0.600	50	1974800000
6	19.05	0.750	50	1974820000
7	22.86	0.900	50	1974840000
8	26.67	1.050	50	1974850000
9	30.48	1.200	50	1974880000
10	34.29	1.350	50	1974890000
11	38.10	1.500	50	1974910000
12	41.91	1.650	50	1974930000

Representative deratings curve

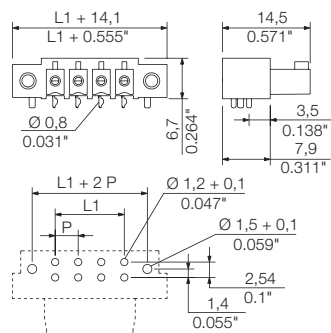


BCL-SMT 3.81/./90LF1

with inverted solder flange



Dimensioned drawing

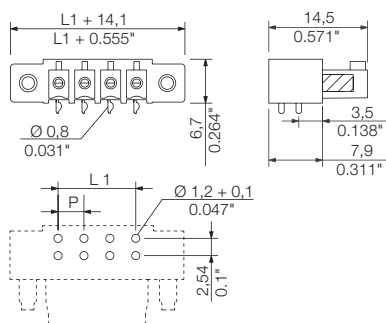


BCL-SMT 3.81/./90F

with screw flange



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm	
Colour		black	
Pitch		3.81 mm	
Pol.	L1	(inch)	Order No.
2	3.81	0.150	1028720000
3	7.62	0.300	1028730000
4	11.43	0.450	1028740000
5	15.24	0.600	1028750000
6	19.05	0.750	1028760000
7	22.86	0.900	1028770000
8	26.67	1.050	1028790000
9	30.48	1.200	1028810000
10	34.29	1.350	1028820000
11	38.10	1.500	1028830000
12	41.91	1.650	1028840000

Ordering data

Solder pin length		1.5 mm	
Colour		black	
Pitch		3.81 mm	
Pol.	L1	(inch)	Order No.
2	3.81	0.150	1975690000
3	7.62	0.300	1975700000
4	11.43	0.450	1975710000
5	15.24	0.600	1975730000
6	19.05	0.750	1975740000
7	22.86	0.900	1975750000
8	26.67	1.050	1975760000
9	30.48	1.200	1975780000
10	34.29	1.350	1975790000
11	38.10	1.500	1975820000
12	41.91	1.650	1975830000

Connectors in 3.81 mm pitch Series BC/SC 3.81

BCL-SMT 3.81../180



Inverted female headers for:

- Touch-safety on the circuit board with board-to-wire (when connecting with the SCZ)
- Board-to-board component connection (with SC/SC-SMT)
- Works with reflow soldering and automatic placement.
- Orientation: 180°
- Available in closed version and with inverted solder flange (LFI).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

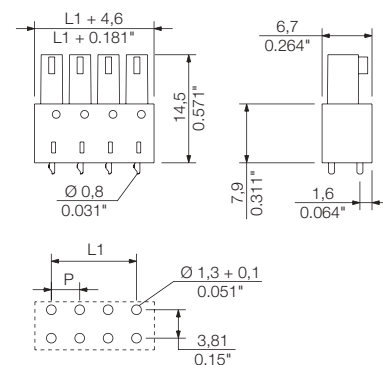
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BCL-SMT 3.81../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	50
Rated current	A	11	11
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8	
Solder eyelet Ø = D	mm	1.2	
Solder eyelet Ø tolerance	mm	+ 0,1	

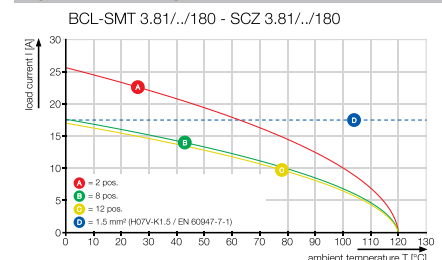
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length		1.5 mm		
Colour		black		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1976490000
3	7.62	0.300	50	1976500000
4	11.43	0.450	50	1976520000
5	15.24	0.600	50	1976530000
6	19.05	0.750	50	1976550000
7	22.86	0.900	50	1976570000
8	26.67	1.050	50	1976580000
9	30.48	1.200	50	1976590000
10	34.29	1.350	50	1976610000
11	38.10	1.500	50	1976620000
12	41.91	1.650	50	1976640000

Representative deratings curve

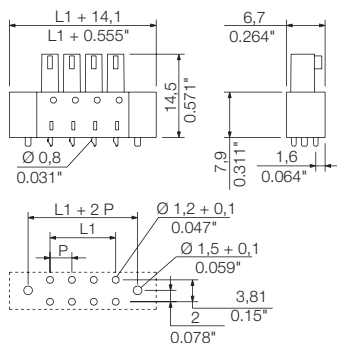


BCL-SMT 3.81/./180LFI

with inverted solder flange



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm		
Colour		black		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1029260000
3	7.62	0.300	50	1029270000
4	11.43	0.450	50	1029280000
5	15.24	0.600	50	1029290000
6	19.05	0.750	50	1029310000
7	22.86	0.900	50	1029320000
8	26.67	1.050	50	1029330000
9	30.48	1.200	50	1029340000
10	34.29	1.350	50	1029350000
11	38.10	1.500	50	1029360000
12	41.91	1.650	50	1029370000

OMNIMATE® Signal

PCB connectors in 5.00 mm and 5.08 mm pitch

OMNIMATE® Signal
PCB connectors in 5.00 mm and 5.08 mm pitch

Connectors in 5.00 mm pitch and 5.08 mm pitch

Explanation	L.2
Quick selection 5.00 mm	L.14
Quick selection 5.08 mm	L.16
Product selection 5.00 mm	L.22
Product selection 5.08 mm	L.50

Male header SL-SMT 5.0x HC

The connecting element in the reflow process

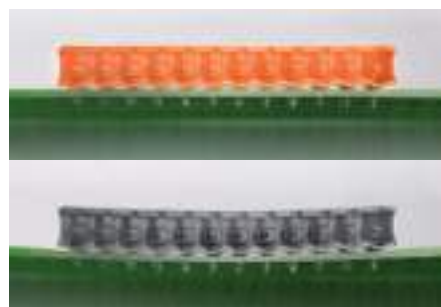
Optimised for SMT (Surface Mount Technology)

Innovative, application oriented male headers made from high temperature insulating material LCP (Liquid crystal polymer) permits seamless integration of the connections into the automated SMT production process, including reflow soldering. HC represents additional performance.

The comprehensive portfolio impresses with significant gains in efficiency in assembly production, i.e. a reduction of manufacturing costs of up to 30 %, with increased process security and proven reliability.

Absolute process reliability

Using glass-fibre reinforced plastic with the SL 5.08 HC and SL-SMT 5.08 pin headers ensures a high level of dimensional stability and prevents what is known as the "banana effect" – the printed-circuit board sagging – in the soldering process.



Standard-compliant fixing

More use with less effort: the soldering flange reduces 3 steps to one while protecting the soldering points from regular mechanical stress. A uniform drill hole diameter, no fixing of the fastening screw – additional fastening takes place automatically in the soldering process.



Delivered to fit your process:

Tape packaging with optimised tape pockets customised to match the width and pole count: this ensures that the feeders are used optimally and that the male headers are securely positioned on the tape.



OMNIMATE® Signal
PCB connectors in 5.00 mm and 5.08 mm pitch

Specified to fit your application:

1.5 mm short pins for flush solder joints permit PCB assembly on both sides in accordance with IPC A-610 and also reduces the solder paste volume significantly. At the same time, the required stroke length of the Pick & Place machine is reduced to a minimum. As an alternative, 3.2 mm pins are available for PCBs thicker than 1.6 mm.



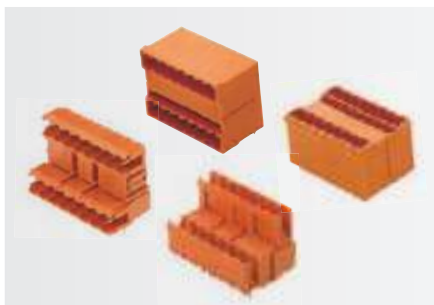
Male header SL 5.00 / SL 5.08 HC

Optimised for wave soldering

These male headers in 5.00 mm and 5.08 mm pitch with the characteristic wave design in the mating face are the standard headers used in industrial automation. This male header has already enjoyed decades of market success; it is the basis for device connection systems for both wave and manual soldering. HC represents additional performance.

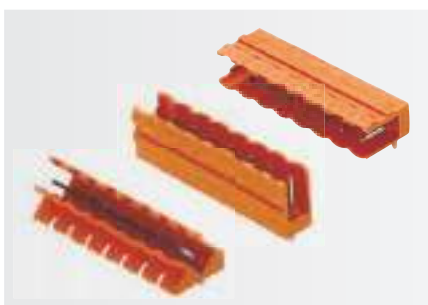
Increased density for device connections:

You can maximise connection density by using double level male headers together with your choice of connection systems on the field side.



Three outlet directions:

There are more device design possibilities created by the different conductor path angles.



Safe under vibration and shock

- Vibration proof connection between male header and female plug
- The male header can also be screwed to the PCB
- Available with gold-plated surfaces



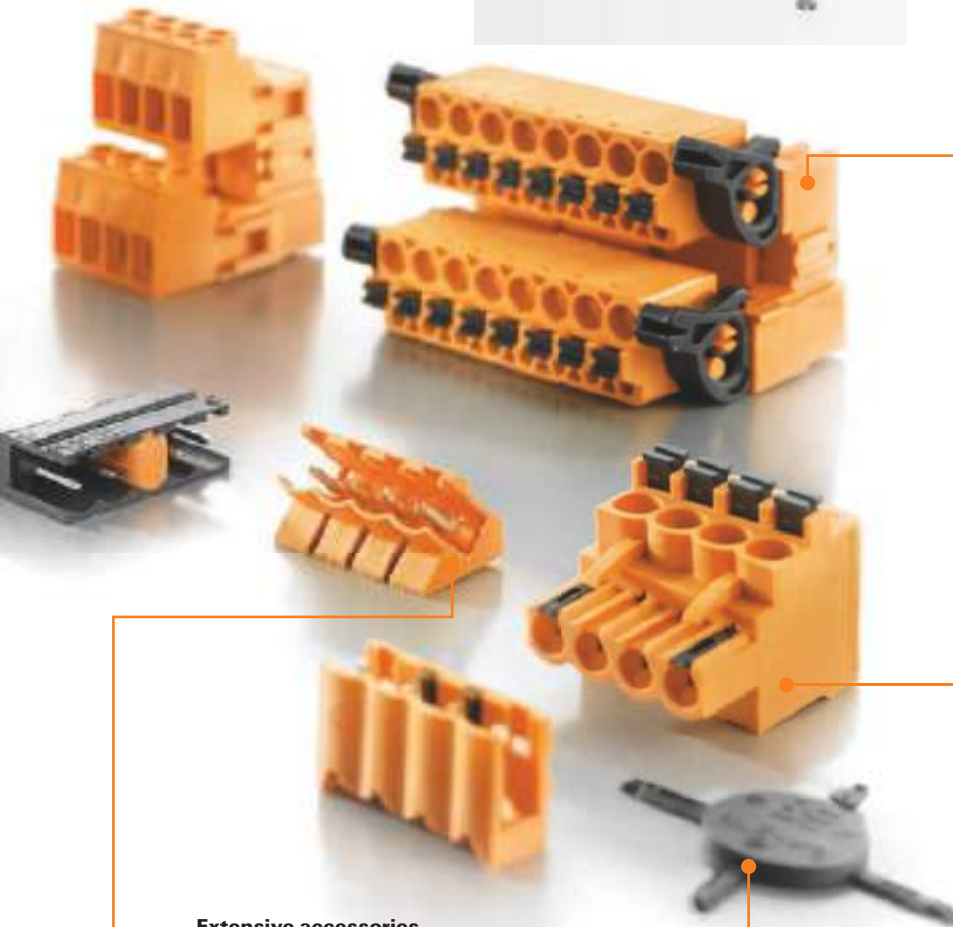
Specified to fit your assembly process

Gold-plated male headers have gold plating on the functional surfaces but not on the solder surfaces. This prevents contamination of the solder bath.



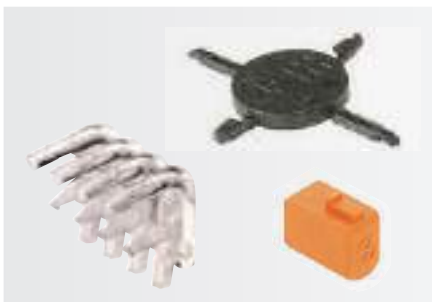
Integrated to fit your design

Adaptable connection system - the colour of the plug connectors fits to the device design and not the other way around.



Extensive accessories

- Light guides carry signals from the PCB LEDs to the front plate
- Partitions can be used to visually separate the different functional areas of the male header.
- All male headers can be manually coded or ordered as pre-coded headers.



Female plug BLZP 5.0x HC

Pluggable, universal screw connection

The BLZP is the functional extension of the BLZ series, which has proven itself on the market for decades.

The “P” in the part name stands for a “plus” in security and the “HC” a “plus” in performance during processing and usage. Resulting from this are additional customer benefits, such as a continuous function and safety chain, increased efficiency and process reliability and much more user friendly operation.



Folded steel clamping yoke

When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area. This ensures a maintenance free and durable gas-tight connection. In addition, the elastic behaviour of the clamping yoke compensates for the setting of the connected wire and any temperature induced deviations.



L

Hybrid contacts

The current bar and the tulip contact are made from two different materials and then welded together. The current bar has high conductivity and the tulip contact is characterised by its excellent spring properties.



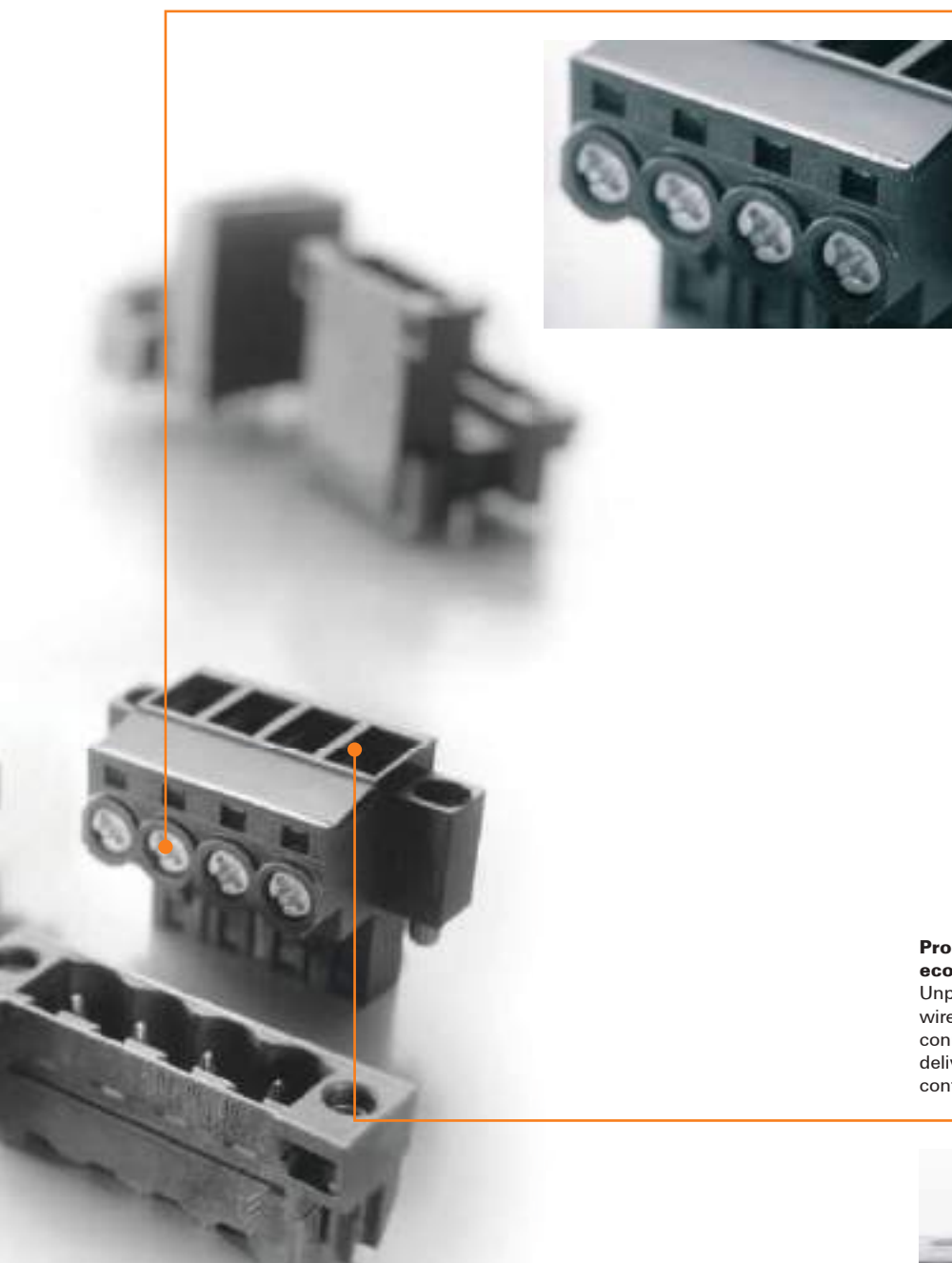
Safe connection – error-free wiring

The integrated “wire guard” feature prevents dangerous insertion of the wire below the clamping area and thus protects against contact or insertion errors.

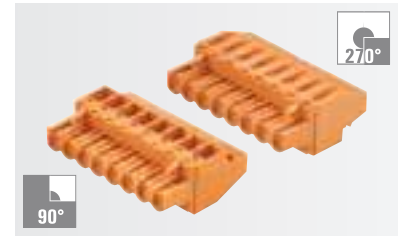


Safe contacting – universal operation

The globally compatible screw head (in conformity with ISO 2880/2, ISO 8764/2-PH and ISO 8764/2-PHZ) that fits all tools – for non-positive and uncomplicated operation with common hand tools or the efficient use of power tools.



Conductor outlet direction up/down



Conductor outlet direction straight/inclined



Locking options

F = screw flange / LR = Lock & Release lever

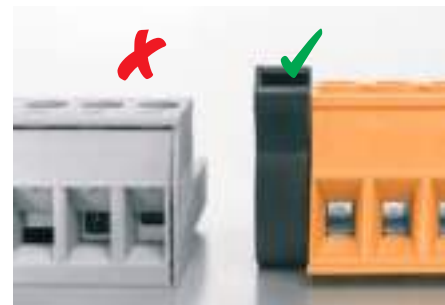


Process-compatible by default – economical processing

Unpack – wire ready – connect up. Our wire-ready technology makes sure that all connecting points are completely opened when delivered, even after global transport (in conformity with ISO 13355).

Securely lock – simply release

Fast, self-locking with the male header for tool-free handling. Releasing of the female plug is gentle on components.



Female plug BLT 5.08 HC

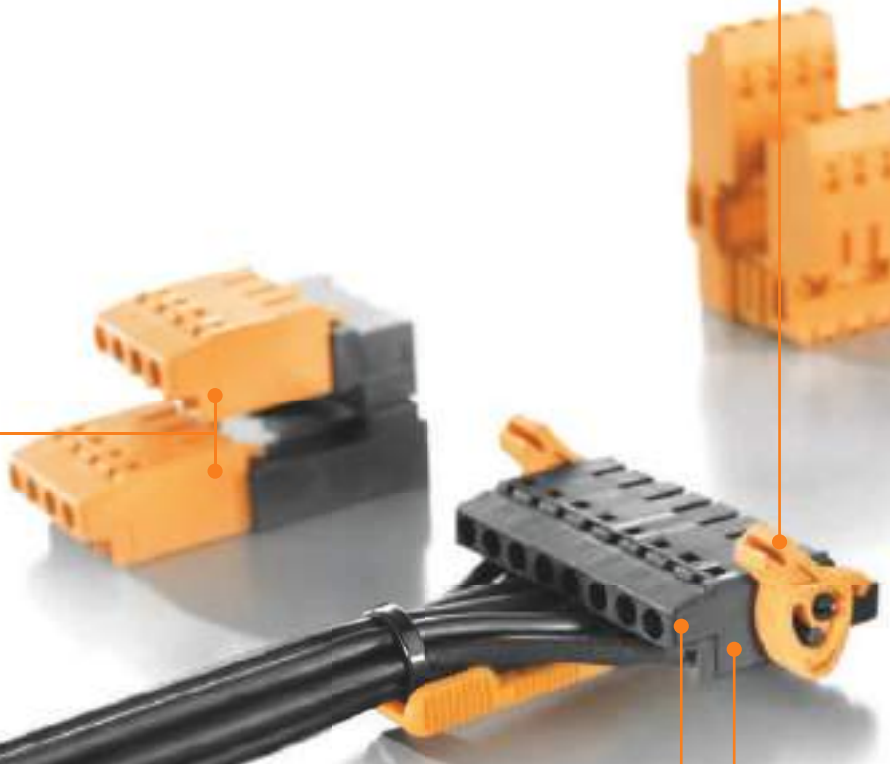
The specialist for tight installation spaces

The BLT range is the most compact TOP connection of its type available in 5.08 mm pitch. This greatly simplifies device design because the cable entry and screw are located in the same plane of the plug-in connector. With the wire connection parallel to the circuit board, the BLT is specialised for use in limited installation spaces and high packing densities. HC represents additional performance.



High component density

Normal screw terminals have a 90° angle between the directions of the cable entry and the screw. The required space must then be taken into account when designing the device. However with the TOP connection system, the directions for wire entry and clamping operations are the same.



Hybrid contacts

For every function, the best material. The current bar and the tulip contact are made from two different materials and then welded together. The current bar has high conductivity and the tulip contact is characterised by its excellent spring properties.



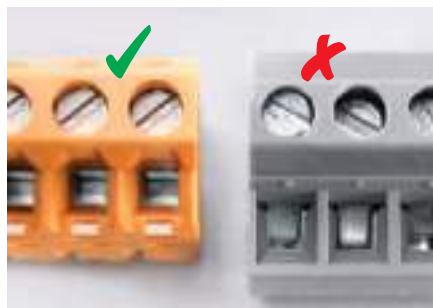
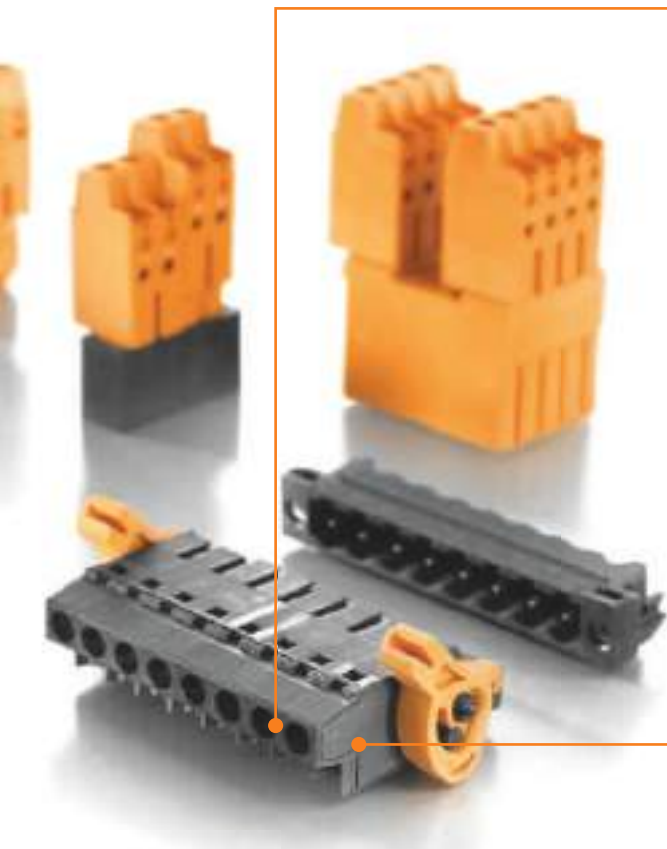
Secure interlock and simple release

Fast, self-locking with the male header for tool-free handling. Releasing of the female plug is gentle on components.



Process-compatible by default – economical processing

Unpack – “Wire Ready” – Connect. The “Wire Ready” technology ensures that all clamping units are fully open on delivery, even after world-wide shipping.



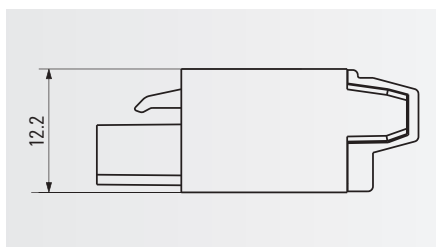
Safe to use with no-fault wiring:

The BLT’s “pull effect” ensures that the connected wire is pulled in to the clamping point for a securely established contact.



Minimal height

With a height of only 12.2 mm, the BLT is currently the smallest TOP connection available.



Female plug BLF 5.0x HC and BLDF 5.08 PUSH IN for fast conductor connection without any tools



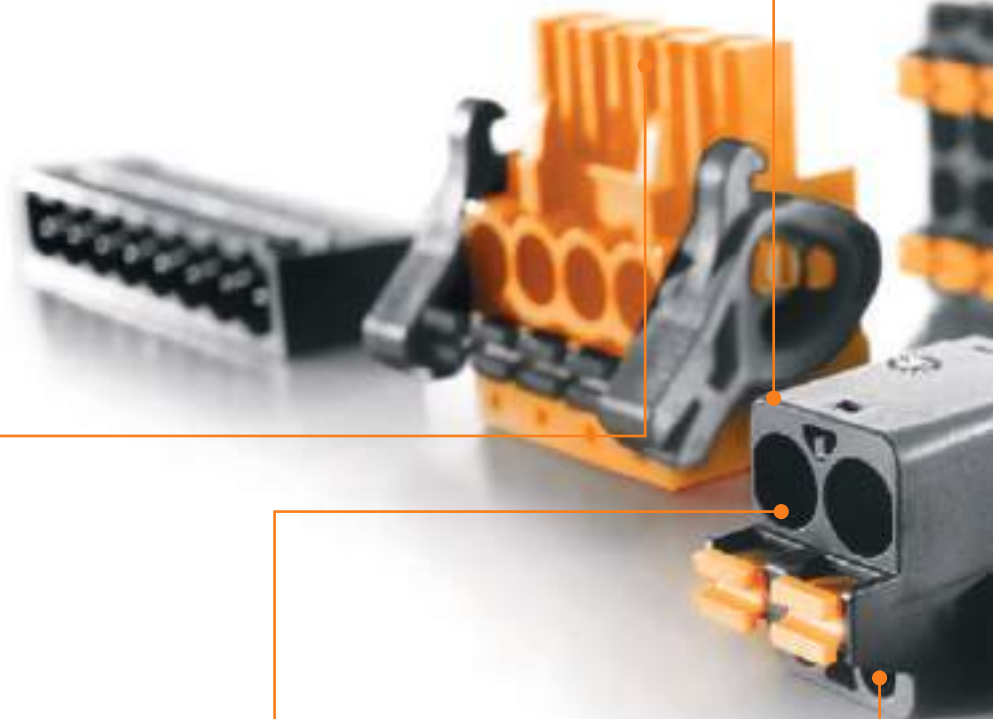
The quick PUSH IN connection is now also available in pitches of 5.00 mm and 5.08 mm. The products are simple, safe and can be used in a variety of applications: The plugs are available for all wire outlet directions (90°, 180° and 270°) and also as a double connector with integrated cross-connection for bus applications.

HC represents additional performance.

The hybrid contacts used in combination with PUSH IN guarantee a vibration resistant and maintenance free connection, even under extreme conditions.

Hybrid contacts

The current bar and the tulip contact are made from two different materials and then welded together. The current bar has high conductivity and the tulip contact is characterised by its excellent spring properties.



Can be tested at any time
Simplified functional testing using easily accessible diagnostic test points.

All-purpose usage

Very large clamping range from 0.2 mm² to 2.5 mm² –even when using ferrules with plastic collars.



Safe to operate

Rounded edges and large, non-slip control buttons ensure user-friendly operation.

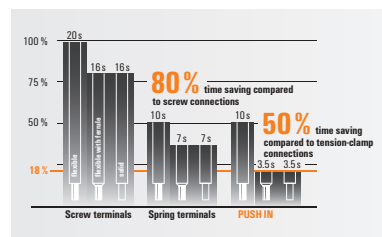


Extremely durable

The integrated cross-connector is designed for a low voltage drop and allows a powerful 22 A bus power which can supply a high number of notes in the bus system.



Directly plugged in



Simply fast

PUSH IN: tool-free connections of pre-prepared wires into the wire-entry funnel. www.PUSH-IN.com



Simple and self-explanatory

Intuitive opening of the terminal point using conspicuous push buttons.



All-round safety

A stainless steel cage enclosure prevents subsidence in the contact area. To prevent any drop in clamping force plastic parts were deliberately not used.



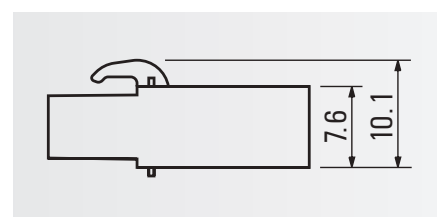
Female plug BLC 5.08

Cost effective and pre-assembled using a crimp connection

The BLC product family with crimp connections provides an affordable solution with pre-assembled female plugs that is also appropriate for large batch jobs. The contacts can be crimped by using hand tools or with a crimping machine in the factory when producing large batches.

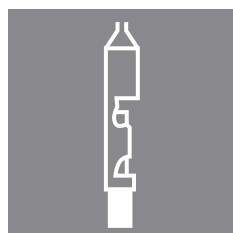
Minimal height

With a height of only 12.2 mm, the BLT is currently the smallest TOP connection available.

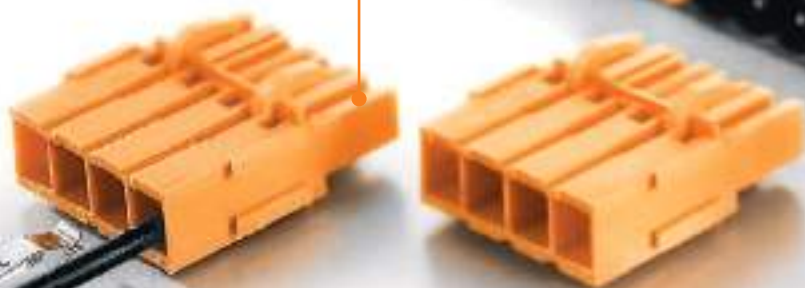


Effective and cost-effective

By using high performance metals, a costly over-spring on the tulip contact can be avoided. This cost saving is passed directly to the customer.

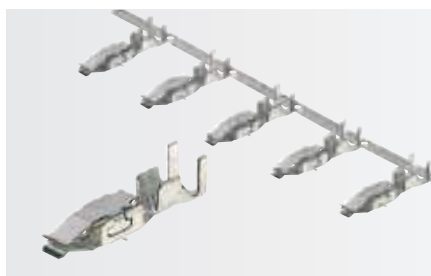


L



Process-compatible by default – economical processing

Delivery of the crimp contacts loose in bags, or as tape-packaged carrier strips. For the following conductor sizes: 0.22 to 0.35 mm², 0.50 to 1.00 mm², 1.50 to 2.50 mm².



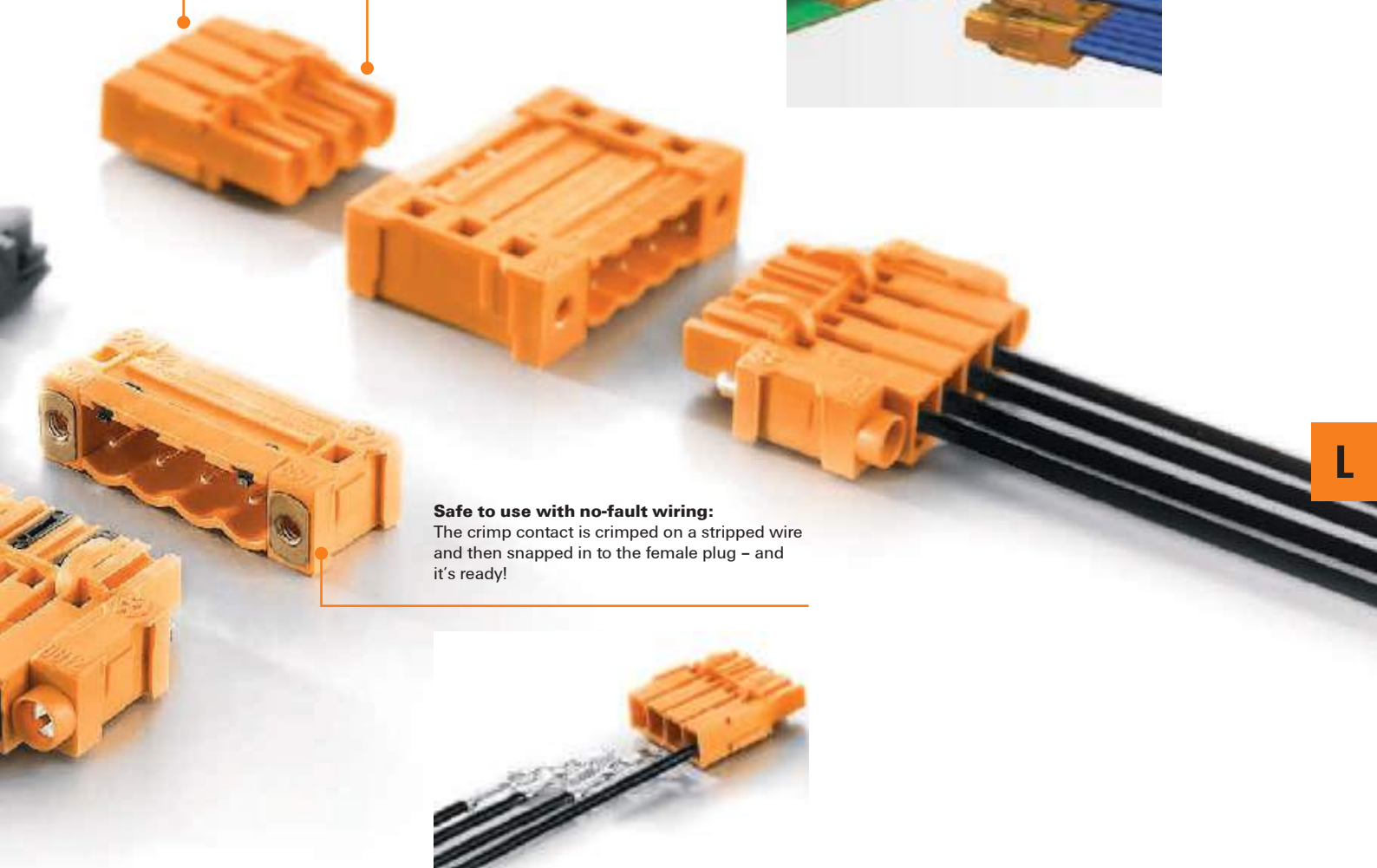
Flexible for a variety of applications

Affordable machine crimping or with hand tools in the field.



High component density

Screw terminals have a 90° angle between the directions of the cable entry and the screw. The required space must then be taken into account when designing the device. In the crimp connector system, however, the conductor insertion and operation is parallel to the circuit board.







Safe to use with no-fault wiring:

The crimp contact is crimped on a stripped wire and then snapped in to the female plug – and it's ready!

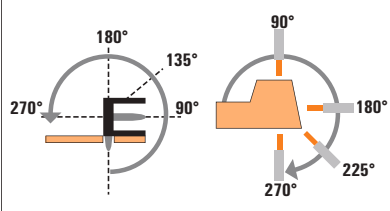


<http://www.OMNIMATE.net>

-  = Wire-to-Board
-  = Board-to-Board
-  = Wire-to-Wire
-  = Board-to-Wire



Orientation










Male header



BL/SL 5.00 series



Type	Levels				
	1				
	SL	SL			
	90°	135°			
Orientation	(O)/B	(O)/B			
Flange options					
IEC / UL	IEC: 400 V/18 A UL: 300 V/15 A	IEC: 400 V/17 A UL: 300 V/15 A			
 Screw: Clamping yoke	 BLZP HC 180° (G)/F/LR	IEC: 400 V/19 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	<input type="radio"/>	<input type="radio"/>	
	 BLZP HC 90° (G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	<input type="radio"/>	<input type="radio"/>	
	 BLZP HC 270° (G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	<input type="radio"/>	<input type="radio"/>	
	 Spring: PUSH IN	 BLF HC 180° (G)/F/LR	IEC: 400 V/20.5 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26 - 12	<input type="radio"/>	<input type="radio"/>
		 BLF HC 90° (G)/F/LR	IEC: 400 V/20 A/ 0.2 - 2.5 mm ² UL: 300 V/10 A/ AWG 26 - 12	<input type="radio"/>	<input type="radio"/>

Female plug and header:

(G)* = Closed (without flange)

F = Flange with screw

LR = Lock & Release lever

HC = High current

* not included in the article description

Male header and plug:

(O)* = open

B = Dovetail for fixing blocks with a nut

G = closed

F = Screw flange with nut

LF = Solder flange with nut

GLF = closed with additional solder flange

FLF = Flange with nut and additional solder flange

HC = High current

Male header



Solder connection



Reflow solder connection

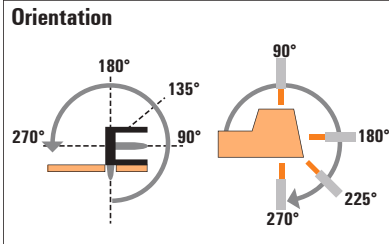


1		2		1		1		2
SL	SLD	SLD	SL-SMT HC	SL-SMT HC	SL-SMaT HC	SL-SMaT HC	SLDV-THR	
180°	90°	180°	90°	180°	90°	180°	180°	180°
(O)/B	G	G	(O)/G/LF	(O)/G/LF	(O)	(O)	(O)	G/GLF/F/FLF
IEC: 400 V/18 A UL: 300 V/15 A	IEC: 400 V/11 A UL: 300 V/10 A	IEC: 400 V/11 A UL: 300 V/10 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/16.5 A UL: 300 V/15 A	IEC: 400 V/16.5 A UL: 300 V/15 A	IEC: 400 V/15 A UL: 300 V/10 A	IEC: 400 V/15 A UL: 300 V/10 A
○	○	○	○	○	○	○	○	○
○			○	○	○	○	○	○
○			○	○	○	○	○	
○	○	○	○	○	○	○	○	○
○			○	○	○	○	○	○



<http://www.OMNIMATE.net>

- = Wire-to-Board
- = Board-to-Board
- = Wire-to-Wire
- = Board-to-Wire



Solder connection



BL/SL 5.08 series, Part 1 of 3



Type	Levels	
	1	
	SL HC	SL HC
	90°	180°
Orientation	(O)/G/B/F/LF	(O)/G/B/F/LF
Flange options	(O)/G/B/F/LF	(O)/G/B/F/LF
IEC / UL	IEC: 400 V/24 A UL: 300 V/15 A	IEC: 400 V/24 A UL: 300 V/16 A

	Icon	Type	Orientation	Flange options	IEC / UL	Levels	
						SL HC	SL HC
Female plug		BLZP HC	180°	(G)/F/LR	IEC: 400 V/19 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	○	○
			90°	(G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	○	○
			270°	(G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	○	○
			225°	(G)/F/LR	IEC: 400 V/17.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	○	○
Female plug		BLT HC	180°	(G)/F/LR/DF	IEC: 400 V/17 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26 - 14	○	○
Female plug		BLZ QV	180°	(G)	IEC: 400 V/17.5 A/0.2 - 2.5 mm ² UL: 300 V/15 A/AWG 26 - 14	○	○
Female header		BLL	90°	(G)/FI	IEC: 400 V/23 A UL: 300 V/15 A	●	●
			180°	(G)/B	IEC: 400 V/23 A UL: 300 V/15 A	●	●

Female plug and header:

- (G)* = Closed (without flange)
- F = Flange with screw
- DF = Implementation

- LR = Lock & Release lever
- B = Dovetail for fixing blocks with a nut
- FI = Inverted flange with nut

- HC = High current
- * not included in the article description

Male header



Solder connection



Reflow solder connection



	2				1		
	SLD	SLD	SLDV	SLDV	SL-SMT HC	SL-SMT HC	SL-SMT HC
	90°	180°	90°	180°	90°	180°	270°
	G	G	(O)/B	(O)/B	(O)/G/F/LF	(O)/G/F/LF	G/LF
	IEC: 400 V/11 A UL: 300 V/10 A	IEC: 400 V/14 A UL: 300 V/10 A	IEC: 400 V/17 A UL: 300 V/10 A	IEC: 400 V/17 A UL: 300 V/10 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/19 A UL: 300 V/15 A
	○	○	○	○	○	○	○
			○	○	○	○	○
					○	○	○
	○	○			○	○	○
	○	○	○	○	○	○	○
	○	○	○	○	○	○	○
	○	○	○	○	○	○	○
	●	●	●	●	●	●	●
	●	●	●	●	●	●	●

Male header and plug:

- (O)* = open
- B = Dovetail for fixing blocks with a nut
- G = closed

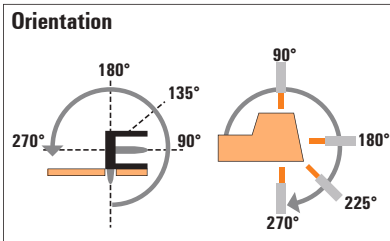
- F = Screw flange with nut
- LF = Solder flange with nut
- DF = Implementation

- HC = High current
- * not included in the article description




<http://www.OMNIMATE.net>

- = Wire-to-Board
- = Board-to-Board
- = Wire-to-Wire
- = Board-to-Wire



Male header



Reflow solder connection



BL/SL 5.08 series Part 2 of 3

Levels

2



Type	SLDV-THR
Orientation	180°
Flange options	G/FLF
IEC / UL	IEC: 400 V/15 A UL: 300 V/10 A

Category	Type	Image	Orientation	Flange options	IEC / UL	Symbol
Female plug	BLZP HC		180°	(G)/F/LR	IEC: 400 V/19 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	○
	BLZP HC		90°	(G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	○
	BLZP HC		270°	(G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	○
	BLZP HC		225°	(G)/F/LR	IEC: 400 V/17.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	○
TOP	BLT HC		180°	(G)/F/LR/DF	IEC: 400 V/17 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26 - 14	○
	BLZ QV		180°	(G)	IEC: 400 V/17.5 A/0.2 - 2.5 mm ² UL: 300 V/15 A/AWG 26 - 14	○
Female header	BLL		90°	(G)/FI	IEC: 400 V/23 A UL: 300 V/15 A	●
	BLL		180°	(G)/B	IEC: 400 V/23 A UL: 300 V/15 A	●

Female plug and header:

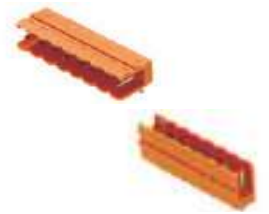
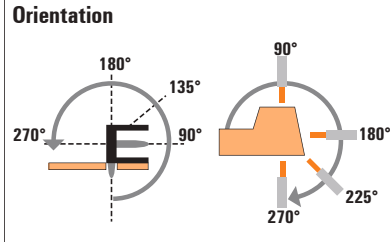
- (G)* = Closed (without flange)
- F = Flange with screw
- DF = Implementation

- LR = Lock & Release lever
- B = Dovetail for fixing blocks with a nut
- FI = Inverted flange with nut

- HC = High current
- * not included in the article description

<http://www.OMNIMATE.net>

- = Wire-to-Board
- = Board-to-Board
- = Wire-to-Wire
- = Board-to-Wire



BL/SL 5.08 series Part 3 of 3



Type	Levels	
	1	
	SL HC	SL HC
	Orientation	90°
Flange options	(O)/G/B/F/LF	(O)/G/B/F/LF
IEC / UL	IEC: 400 V/24 A UL: 300 V/15 A	IEC: 400 V/24 A UL: 300 V/16 A

Female plug	Type	Orientation	Flange options	IEC / UL	Levels	
					SL HC	SL HC
PUSH IN	BLF HC	180°	(G)/F/LR/DF	IEC: 400 V/24 A/0.2 - 2.5 mm ² UL: 300 V/16 A/AWG 12 - AWG 26	○	○
	BLF HC	90°	(G)/F/LR	IEC: 400 V/24 A/0.2 - 2.5 mm ² UL: 300 V/16 A/AWG 12 - AWG 26	○	○
	BLF HC	270°	(G)/F/LR	IEC: 400 V/24 A/0.2 - 2.5 mm ² UL: 300 V/16 A/AWG 12 - AWG 26	○	○
PUSH IN (twin connector)	BLDF	180°	(G)/F/LR	IEC: 400 V/26.1 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26-12	○	○
Crimp	BLC	180°	(G)/B	IEC: 400 V/21 A UL: 300 V/10 A	○	○

Female plug and header:

- (G)*** = Closed (without flange)
- F** = Flange with screw
- LR** = Lock & Release lever

- DF** = Implementation
- B** = Dovetail for fixing blocks with a nut
- HC** = High current

* not included in the article description

Male header				Male plug		
 <p>Solder connection</p>				 <p>Reflow solder connection</p>		 <p>PUSH IN</p>



	2				1			2	1
	SLD	SLD	SLDV	SLDV	SL-SMT HC	SL-SMT HC	SL-SMT HC	SLDV-THR	SLF
	90°	180°	90°	180°	90°	180°	270°	180°	180°
	G	G	(O)/B	(O)/B	(O)/G/F/LF	(O)/G/F/LF	G/LF	G/FLF	B/F/FI/DF
	IEC: 400 V/11 A UL: 300 V/10 A	IEC: 400 V/14 A UL: 300 V/10 A	IEC: 400 V/17 A UL: 300 V/10 A	IEC: 400 V/17 A UL: 300 V/10 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/15 A UL: 300 V/10 A	IEC: 400 V/21.5 A/ 0.2 - 2.5 mm ² UL: 300 V/15 A/ AWG 26 - 12
	○	○	○	○	○	○	○	○	●
			○	○	○	○	○	○	●
					○	○	○		●
	○	○	○	○	○	○	○	○	●
	○	○	○	○	○	○	○	○	●

Male header and plug:

- (O)* = open
- B = Dovetail for fixing blocks with a nut
- G = closed

- F = Screw flange with nut
- LF = Solder flange with nut
- FLF = Flange with nut and additional solder flange

- HC = High current
- * not included in the article description



Connectors in 5.00 mm pitch Series BL/SL 5.00

SL-SMT 5.00HC../90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tape-on-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without losing holding force to the PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	27.5	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	15
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

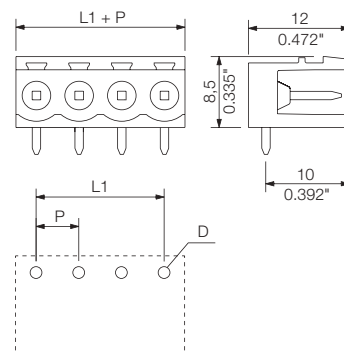
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4±0.1 mm
- Solder eyelet diameter D = 1.5 ± 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.00HC../90 Box

Packaged in box



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000
LED light guide	
SL FLA 1.5/1	1580100000
SL FLA 2,3/1	1636670000
SL FLA 2,3/24	1636680000
SL FLA 3,8/1	1580110000
SL FLA 9,0/1	1580120000

Ordering data

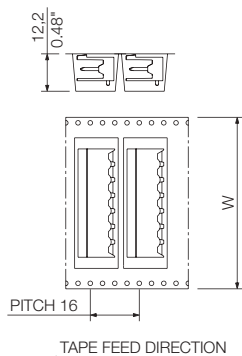
Solder pin length		3.2 mm		
Colour		black		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1839890000
3	10.00	0.394	100	1839900000
4	15.00	0.591	100	1839910000
5	20.00	0.787	50	1839920000
6	25.00	0.984	50	1839930000
7	30.00	1.181	50	1839940000
8	35.00	1.378	50	1839950000
9	40.00	1.575	50	1839960000
10	45.00	1.772	50	1839970000
11	50.00	1.969	50	1839980000
12	55.00	2.165	50	1839990000

SL-SMT 5.00HC/./90 Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm			
Colour		black			
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	350	1797620000	
3	10.00	0.394	350	1797630000	
4	15.00	0.591	350	1797640000	
5	20.00	0.787	350	1797650000	
6	25.00	0.984	350	1797660000	
7	30.00	1.181	350	1797670000	
8	35.00	1.378	350	1797680000	

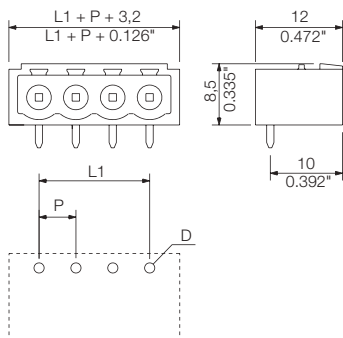
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.00HC/./90G Box

Packaged in box



Dimensioned drawing



Ordering data

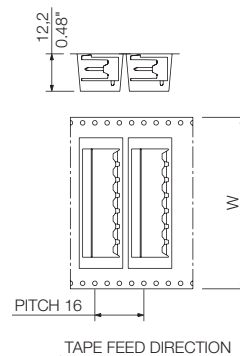
Solder pin length		3.2 mm			
Colour		black			
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	100	1840120000	
3	10.00	0.394	100	1840130000	
4	15.00	0.591	100	1840140000	
5	20.00	0.787	50	1840150000	
6	25.00	0.984	50	1840160000	
7	30.00	1.181	50	1840170000	
8	35.00	1.378	50	1840180000	
9	40.00	1.575	50	1840190000	
10	45.00	1.772	50	1840200000	
11	50.00	1.969	50	1840210000	
12	55.00	2.165	50	1840220000	

SL-SMT 5.00HC/./90G Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm			
Colour		black			
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	350	1797690000	
3	10.00	0.394	350	1797700000	
4	15.00	0.591	350	1797710000	
5	20.00	0.787	350	1797720000	
6	25.00	0.984	350	1797730000	
7	30.00	1.181	350	1797740000	

Tape widths: 32, 44, 56, 72, 88



Connectors in 5.00 mm pitch Series BL/SL 5.00

SL-SMT 5.00HC/./90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tape-on-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without losing holding force to the PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	27.5	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	15
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.5	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

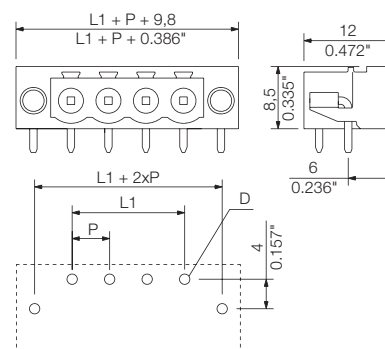
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.00HC/./90LF Box

Packaged in box; with solder flange



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000
LED light guide	
SL FLA 1.5/1	1580100000
SL FLA 2,3/1	1636670000
SL FLA 2,3/24	1636680000
SL FLA 3,8/1	1580110000
SL FLA 9,0/1	1580120000

Ordering data

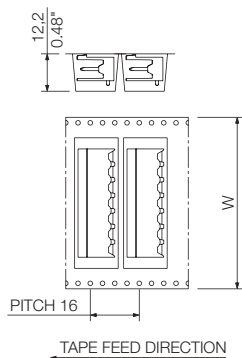
Solder pin length		3.2 mm		
Colour		black		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	90	1840350000
3	10.00	0.394	72	1840360000
4	15.00	0.591	60	1840370000
5	20.00	0.787	48	1840380000
6	25.00	0.984	42	1840390000
7	30.00	1.181	42	1840400000
8	35.00	1.378	36	1840410000
9	40.00	1.575	30	1840420000
10	45.00	1.772	30	1840430000
11	50.00	1.969	24	1840440000
12	55.00	2.165	24	1840450000

SL-SMT 5.00HC/./90LF Tape

Tape-on-reel; with solder flange



Dimensioned drawing



Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers. The disadvantages are additional process steps that make the PCB mounting complex and cost intensive. The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header. This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



Ordering data

Solder pin length		1.5 mm		
Colour		black		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	350	1797750000
3	10.00	0.394	350	1797760000
4	15.00	0.591	350	1797770000
5	20.00	0.787	350	1797780000
6	25.00	0.984	350	1797790000

Tape widths: 32, 44, 56, 72, 88

Connectors in 5.00 mm pitch Series BL/SL 5.00

SL-SMT 5.00HC../180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tape-on-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without losing holding force to the PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	27.5	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG		
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	15
AWG conductor	AWG		
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

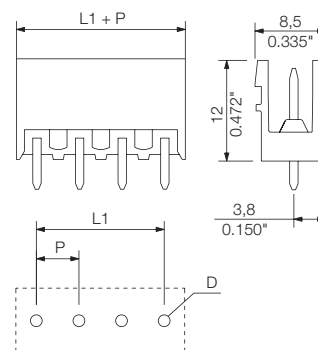
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Solder eyelet diameter $D = 1.5 \pm 0.1$ mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.00HC../180 Box

Packaged in box







Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
 BLZ/SL KO OR BX	1573010000
 BLZ/SL KO BK BX	1545710000
Spacer	Order No.
 SL AT OR	1598300000
 SL AT SW	1770240000

Ordering data

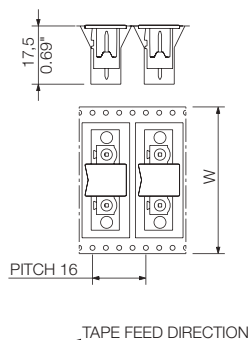
Solder pin length		3.2 mm		
Colour		black		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1840920000
3	10.00	0.394	100	1840930000
4	15.00	0.591	100	1840940000
5	20.00	0.787	50	1840950000
6	25.00	0.984	50	1840960000
7	30.00	1.181	50	1840970000
8	35.00	1.378	50	1840980000
9	40.00	1.575	50	1840990000
10	45.00	1.772	50	1841000000
11	50.00	1.969	50	1841020000
12	55.00	2.165	50	1841030000

SL-SMT 5.00HC../180 Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm	
Colour		black	
Pitch		5.00 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	5.00 0.197	250	1797800000
3	10.00 0.394	250	1797810000
4	15.00 0.591	250	1797820000
5	20.00 0.787	250	1797830000
6	25.00 0.984	250	1797840000
7	30.00 1.181	250	1797850000
8	35.00 1.378	250	1797860000

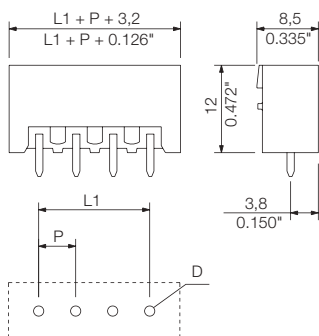
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.00HC../180G Box

Packaged in box



Dimensioned drawing



Ordering data

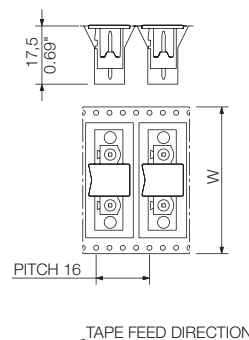
Solder pin length		3.2 mm	
Colour		black	
Pitch		5.00 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	5.00 0.197	100	1841160000
3	10.00 0.394	100	1841170000
4	15.00 0.591	100	1841180000
5	20.00 0.787	50	1841190000
6	25.00 0.984	50	1841200000
7	30.00 1.181	50	1841210000
8	35.00 1.378	50	1841220000
9	40.00 1.575	50	1841230000
10	45.00 1.772	50	1841240000
11	50.00 1.969	50	1841250000
12	55.00 2.165	50	1841260000

SL-SMT 5.00HC../180G Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm	
Colour		black	
Pitch		5.00 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	5.00 0.197	250	1797870000
3	10.00 0.394	250	1797880000
4	15.00 0.591	250	1797890000
5	20.00 0.787	250	1797900000
6	25.00 0.984	250	1797910000
7	30.00 1.181	250	1797920000
8	35.00 1.378	205	1110720000

Tape widths: 32, 44, 56, 72, 88



Connectors in 5.00 mm pitch Series BL/SL 5.00

SL-SMT 5.00HC../180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tape-on-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without losing holding force to the PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	27.5	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	15
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.5	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

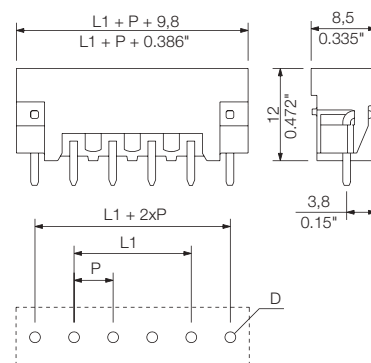
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.00HC../180LF Box

Packaged in box; with solder flange







Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
 BLZ/SL KO OR BX	1573010000
 BLZ/SL KO BK BX	1545710000
Spacer	
 SL AT OR	1598300000
 SL AT SW	1770240000

Ordering data

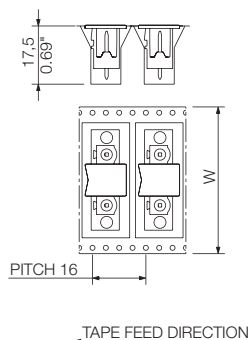
Solder pin length		3.2 mm		
Colour		black		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	90	1841390000
3	10.00	0.394	72	1841400000
4	15.00	0.591	60	1841410000
5	20.00	0.787	54	1841420000
6	25.00	0.984	42	1841430000
7	30.00	1.181	42	1841440000
8	35.00	1.378	36	1841450000
9	40.00	1.575	30	1841460000
10	45.00	1.772	30	1841470000
11	50.00	1.969	24	1841480000
12	55.00	2.165	24	1841490000

SL-SMT 5.00HC/./180LF Tape

Tape-on-reel; with solder flange



Dimensioned drawing



Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers. The disadvantages are additional process steps that make the PCB mounting complex and cost intensive. The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header. This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



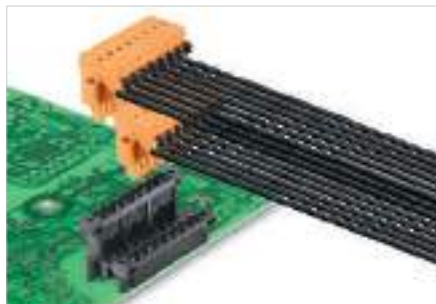
Ordering data

Solder pin length		1.5 mm	
Colour		black	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	250 1797930000
3	10.00	0.394	250 1797940000
4	15.00	0.591	250 1797950000
5	20.00	0.787	250 1797960000
6	25.00	0.984	250 1797970000

Tape widths: 32, 44, 56, 72, 88

Connectors in 5.00 mm pitch Series BL/SL 5.00

SLDV-THR 5.00/./180



Double-level, 180° male header, optimised for the SMT process. The connection levels are offset and designed for a female plug with screw connection or PUSH IN wire connect. The male headers can be manually coded or ordered as pre-coded headers.

- Available in closed (G), with solder flange (GLF), screw flange (F) or screw & solder flange (FLF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The 1.5 mm solder pin reduces the solder paste to a minimum without losing holding force to the PCB.
- The FLF version is featured with a soldering flange and an additional screw-fastening possibility to the PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	15	13
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.5	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 15 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

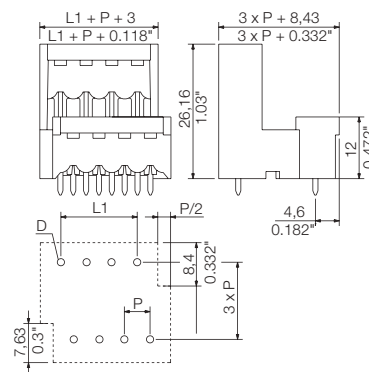
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLDV-THR 5.00/./180G

without solder flange







Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
 BLZ/SL KO OR BX	1573010000
 BLZ/SL KO BK BX	1545710000
Spacer	Order No.
 SL AT OR	1598300000
 SL AT SW	1770240000

Ordering data

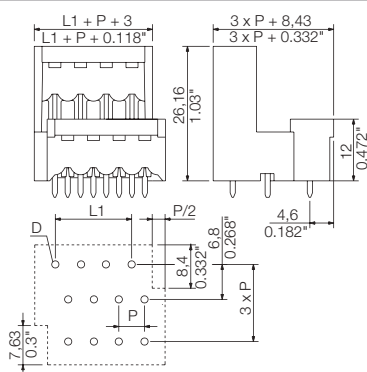
Solder pin length		3.2 mm		
Colour		black		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	50	1882690000
6	10.00	0.394	50	1882700000
8	15.00	0.591	50	1862370000
10	20.00	0.787	50	1882710000
12	25.00	0.984	50	1882720000
14	30.00	1.181	20	1882730000
16	35.00	1.378	20	1862380000
18	40.00	1.575	20	1882740000
20	45.00	1.772	20	1862390000
22	50.00	1.969	10	1882750000
24	55.00	2.165	10	1882760000

SLDV-THR 5.00/./180GLF

with solder flange



Dimensioned drawing



Ordering data

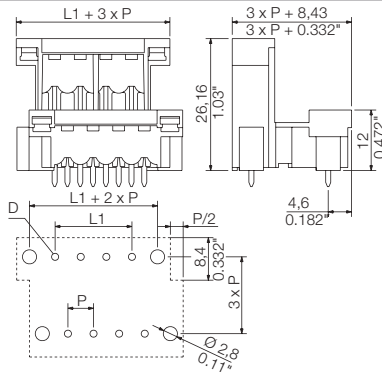
Solder pin length		3.2 mm	
Colour		black	
Pitch	5.00 mm		
Pol.	L1	(inch)	Qty. Order No.
4	5.00	0.197	50 1911290000
6	10.00	0.394	50 1911310000
8	15.00	0.591	50 1911320000
10	20.00	0.787	50 1911330000
12	25.00	0.984	50 1911340000
14	30.00	1.181	20 1911350000
16	35.00	1.378	20 1911360000
18	40.00	1.575	20 1911370000
20	45.00	1.772	20 1911410000
22	50.00	1.969	10 1911470000
24	55.00	2.165	10 1911500000

SLDV-THR 5.00/./180F

without solder flange



Dimensioned drawing



Ordering data

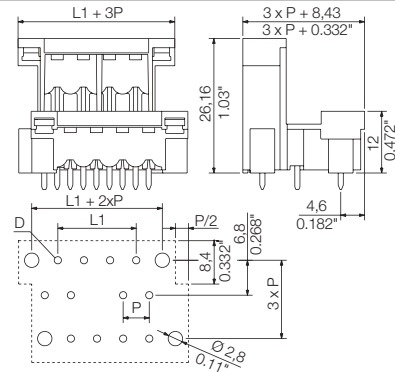
Solder pin length		3.2 mm	
Colour		black	
Pitch	5.00 mm		
Pol.	L1	(inch)	Qty. Order No.
4	5.00	0.197	50 1882930000
6	10.00	0.394	50 1882940000
8	15.00	0.591	50 1882950000
10	20.00	0.787	50 1882960000
12	25.00	0.984	50 1882970000
14	30.00	1.181	20 1882980000
16	35.00	1.378	20 1882990000
18	40.00	1.575	20 1883000000
20	45.00	1.772	20 1881340000
22	50.00	1.969	10 1883010000
24	55.00	2.165	10 1881370000

SLDV-THR 5.00/./180FLF

with solder flange



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm	
Colour		black	
Pitch	5.00 mm		
Pol.	L1	(inch)	Qty. Order No.
4	5.00	0.197	50 1883100000
6	10.00	0.394	50 1883110000
8	15.00	0.591	50 1883120000
10	20.00	0.787	50 1883130000
12	25.00	0.984	50 1883140000
14	30.00	1.181	20 1883150000
16	35.00	1.378	20 1883160000
18	40.00	1.575	20 1883170000
20	45.00	1.772	20 1883180000
22	50.00	1.969	10 1883190000
24	55.00	2.165	10 1883200000



Connectors in 5.00 mm pitch Series BL/SL 5.00

SL 5.00/./90



Male headers with 90° orientation, optimised for wave soldering. Available in versions with either open or closed ends (B). Mounting blocks can be attached into the closed variants. The blocks can be used to screw on to the female plug of the circuit board. The male headers can be manually coded or ordered as pre-coded headers.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	18	15
At ambient temperature		20°C	40°C
For conductor cross-section		III	III II
Overvoltage category		3	2 2
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		-
CSA (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		-
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 18 A
UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmuller.com

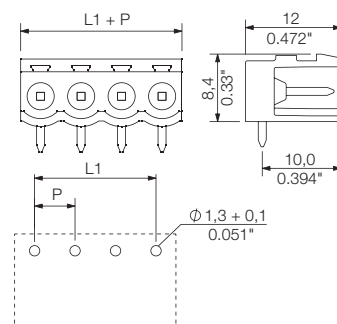
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 5.00/./90



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000
LED light guide	
SL FLA 1.5/1	1580100000
SL FLA 2,3/1	1636670000
SL FLA 2,3/24	1636680000
SL FLA 3.8/1	1580110000
SL FLA 9.0/1	1580120000
Mounting block	
SLA BB11R OR	1604120000
SLA BB11R SW	1692340000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1571130000
3	10.00	0.394	100	1571140000
4	15.00	0.591	100	1571150000
5	20.00	0.787	50	1571160000
6	25.00	0.984	50	1571170000
7	30.00	1.181	50	1571180000
8	35.00	1.378	50	1571190000
9	40.00	1.575	50	1571200000
10	45.00	1.772	50	1571210000
11	50.00	1.969	50	1571220000
12	55.00	2.165	50	1571110000

L

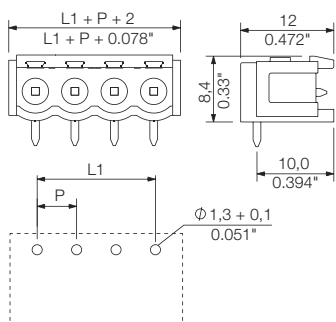
5.00

90°

SL 5.00/..90B



Dimensioned drawing

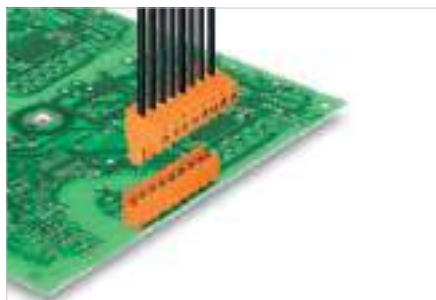


Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	100 1580860000
3	10.00	0.394	100 1580870000
4	15.00	0.591	100 1580880000
5	20.00	0.787	50 1580890000
6	25.00	0.984	50 1580900000
7	30.00	1.181	50 1580910000
8	35.00	1.378	50 1580920000
9	40.00	1.575	50 1580930000
10	45.00	1.772	50 1580940000
11	50.00	1.969	50 1580950000
12	55.00	2.165	50 1580960000

Connectors in 5.00 mm pitch Series BL/SL 5.00

SL 5.00/././180



Male headers with 180° wire outlet, optimised for wave soldering. Available in versions with either open or closed ends (B). Mounting blocks can be attached onto the closed variants. The blocks can be used to screw on to the female plug of the circuit board. The male headers can be manually coded or ordered as pre-coded headers.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	18	15
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		-
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 18 A
UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmuller.com

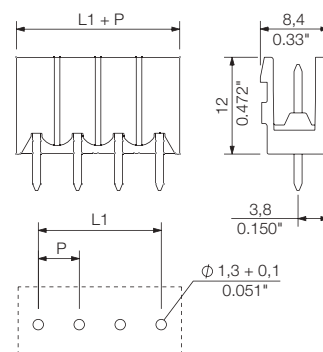
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 5.00/././180



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000
Mounting block	
SLA BB11R OR	1604120000
SLA BB11R SW	1692340000

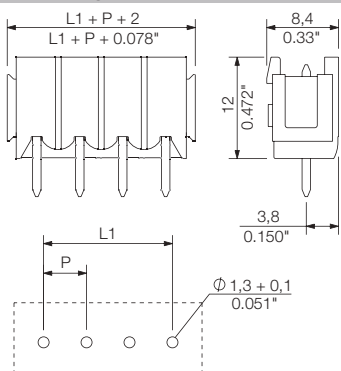
Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1581320000
3	10.00	0.394	100	1581330000
4	15.00	0.591	100	1581340000
5	20.00	0.787	50	1581350000
6	25.00	0.984	50	1581360000
7	30.00	1.181	50	1581370000
8	35.00	1.378	50	1581380000
9	40.00	1.575	50	1581390000
10	45.00	1.772	50	1581400000
11	50.00	1.969	50	1581410000
12	55.00	2.165	50	1581420000

SL 5.00/.. /180B



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	100 1581780000
3	10.00	0.394	100 1581790000
4	15.00	0.591	100 1581800000
5	20.00	0.787	50 1581810000
6	25.00	0.984	50 1581820000
7	30.00	1.181	50 1581830000
8	35.00	1.378	50 1581840000
9	40.00	1.575	50 1581850000
10	45.00	1.772	50 1581860000
11	50.00	1.969	50 1581870000
12	55.00	2.165	50 1581880000

Connectors in 5.00 mm pitch Series BL/SL 5.00

SL 5.00/././135



Male headers with 135° wire outlet, optimised for wave soldering. Available in versions with either open or closed ends (B). Mounting blocks can be attached onto the closed variants. The blocks can be used to screw on to the female plug of the circuit board. The male headers can be manually coded or ordered as pre-coded headers.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17	15
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	-	
CSA (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	-	
General data			
Type of insulation material	PBT		
UL 94 flammability rating	V-0		
Contact base material	CuSn		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 17 A
UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

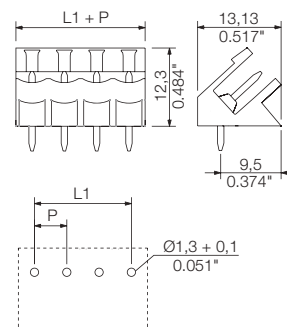
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 5.00/././135



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000
Mounting block	
SL 135 BB15R OR	1606450000
SL 135 BB15R SW	1636370000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1630250000
3	10.00	0.394	100	1630260000
4	15.00	0.591	100	1630270000
5	20.00	0.787	50	1630280000
6	25.00	0.984	50	1630290000
7	30.00	1.181	50	1630300000
8	35.00	1.378	50	1630310000
9	40.00	1.575	50	1630320000
10	45.00	1.772	50	1630330000
11	50.00	1.969	50	1630340000
12	55.00	2.165	50	1630350000

L

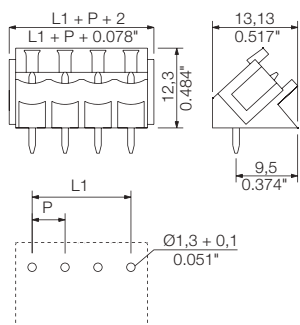
5.00

135°

SL 5.00/..../135B



Dimensioned drawing

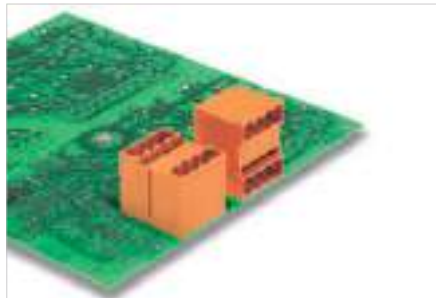


Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	100 1630480000
3	10.00	0.394	100 1630490000
4	15.00	0.591	100 1630500000
5	20.00	0.787	50 1630510000
6	25.00	0.984	50 1630520000
7	30.00	1.181	50 1630530000
8	35.00	1.378	50 1630540000
9	40.00	1.575	50 1630550000
10	45.00	1.772	50 1630560000
11	50.00	1.969	50 1630570000
12	55.00	2.165	50 1630580000

Connectors in 5.00 mm pitch Series BL/SL 5.00

SLD 5.00/./90 & 180



Double-level male header optimised for wave soldering. The connections are at the same level – with access that is flush over the front board. The male headers can be manually coded or ordered as pre-coded headers.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	11	9.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 11 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

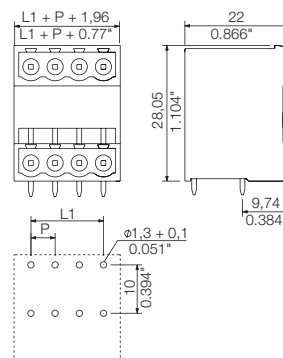
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLD 5.00/./90G



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	50	1614350000
6	10.00	0.394	50	1614360000
8	15.00	0.591	50	1614370000
10	20.00	0.787	50	1614380000
12	25.00	0.984	50	1614390000
14	30.00	1.181	20	1614400000
16	35.00	1.378	20	1614410000
18	40.00	1.575	20	1614420000
20	45.00	1.772	20	1614430000
22	50.00	1.969	10	1614440000
24	55.00	2.165	10	1614450000

L

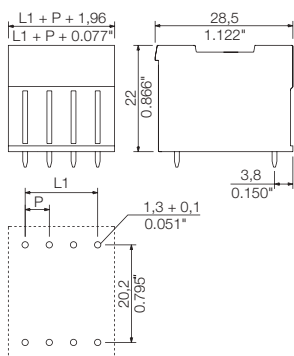
5.00

90°

SLD 5.00/./180G



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	50	1614810000
6	10.00	0.394	50	1614820000
8	15.00	0.591	50	1614830000
10	20.00	0.787	50	1614840000
12	25.00	0.984	50	1614850000
14	30.00	1.181	20	1614860000
16	35.00	1.378	20	1614870000
18	40.00	1.575	20	1614880000
20	45.00	1.772	20	1614890000
22	50.00	1.969	10	1614900000
24	55.00	2.165	10	1614910000



Connectors in 5.00 mm pitch Series BL/SL 5.00

BLZP 5.00HC../180



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY - delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1	
According to norm			
Tightening torque range			
Rated current, max.	A	23	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	50 300
Rated current	A	20	20
AWG conductor	AWG	30-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D			
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm²
UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

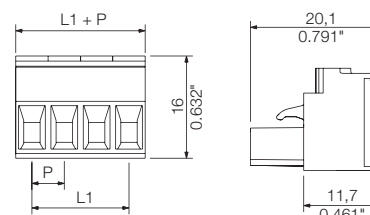
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.00HC../180



Dimensioned drawing



Accessories

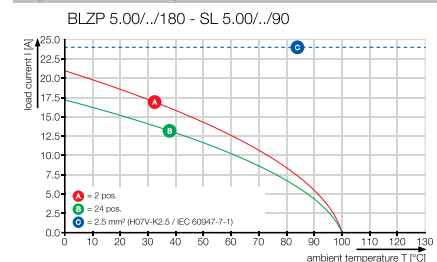
Note: Refer to the Accessories chapter for additional accessories.

Strain relief		Order No.
	BLZ 5.00 ZE04 OR BX	1652100000
	BLZ 5.00 ZE08 OR BX	1652040000
	BLZ 5.00 ZE08 BK BX	1652060000
Coding		
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
	SDK PH1 X 80	2749410000
	SDK PZ1 X 80	2749440000

Ordering data

Solder pin length				
Colour	orange			
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	180	1954490000
3	10.00	0.394	120	1954480000
4	15.00	0.591	90	1954470000
5	20.00	0.788	72	1954460000
6	25.00	0.985	60	1954450000
7	30.00	1.182	48	1954440000
8	35.00	1.379	42	1954430000
9	40.00	1.576	36	1954420000
10	45.00	1.773	36	1954410000
11	50.00	1.970	30	1954400000
12	55.00	2.167	30	1954390000

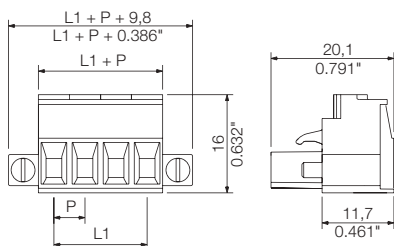
Representative deratings curve



BLZP 5.00HC../180F



Dimensioned drawing



Ordering data

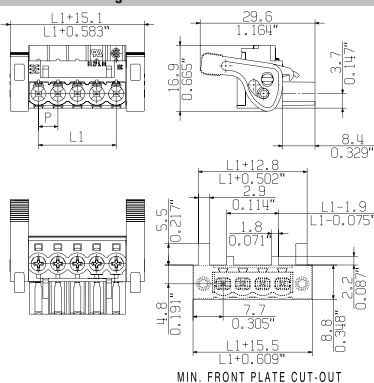
Solder pin length					
Colour					orange
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	90	1955800000	
3	10.00	0.394	72	1955790000	
4	15.00	0.591	60	1955780000	
5	20.00	0.788	48	1955770000	
6	25.00	0.985	42	1955760000	
7	30.00	1.182	36	1955750000	
8	35.00	1.379	36	1955740000	
9	40.00	1.576	30	1955730000	
10	45.00	1.773	30	1955720000	
11	50.00	1.970	24	1955710000	
12	55.00	2.167	24	1955700000	

BLZP 5.00HC../180LR

with lock and release lever



Dimensioned drawing



Ordering data

Solder pin length					
Colour					orange
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	90	1956370000	
3	10.00	0.394	72	1956360000	
4	15.00	0.591	60	1956350000	
5	20.00	0.788	48	1956340000	
6	25.00	0.985	42	1956330000	
7	30.00	1.182	36	1956320000	
8	35.00	1.379	36	1956310000	
9	40.00	1.576	30	1956300000	
10	45.00	1.773	30	1956290000	
11	50.00	1.970	24	1956280000	
12	55.00	2.167	24	1956270000	

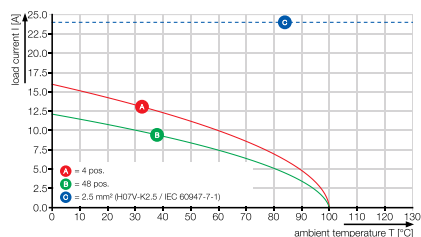


The 2-in-1 contact

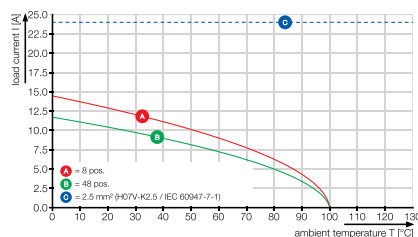
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.

Additional deratings curves

BLZP 5.00../180 - SLD 5.00../90G

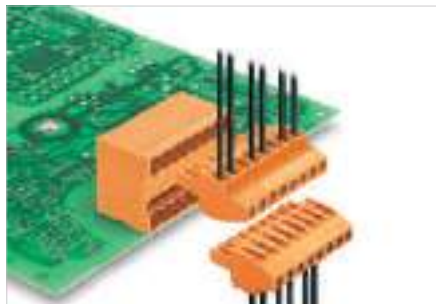


BLZP 5.00../180 - SLDV-THR 5.00../180



Connectors in 5.00 mm pitch Series BL/SL 5.00

BLZP 5.00HC../90



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY - delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1	
According to norm			
Tightening torque range			
Rated current, max.	A	23	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	50 300
Rated current	A	20	20
AWG conductor	AWG	30-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D			
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm²
UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

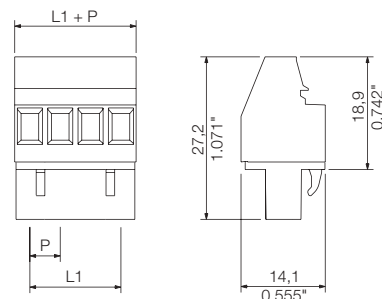
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.00HC../90



Dimensioned drawing



Accessories

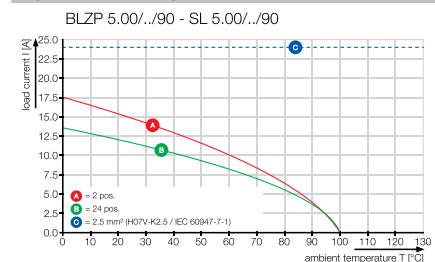
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDS 0.6X3.5X100	2749340000
SDIS 0.6X3.5X100	2749810000
SDK PH1 X 80	2749410000
SDK PZ1 X 80	2749440000

Ordering data

Solder pin length					
Colour	orange				
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	180	1958300000	
3	10.00	0.394	120	1958290000	
4	15.00	0.591	90	1958280000	
5	20.00	0.788	72	1958270000	
6	25.00	0.985	60	1958260000	
7	30.00	1.182	48	1958250000	
8	35.00	1.379	42	1958230000	
9	40.00	1.576	36	1958190000	
10	45.00	1.773	36	1958160000	
11	50.00	1.970	30	1958130000	
12	55.00	2.167	30	1958120000	

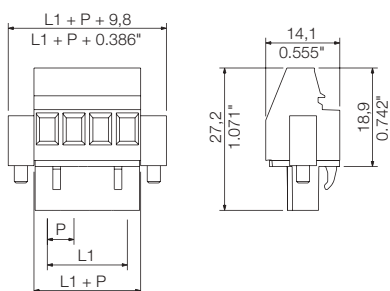
Representative deratings curve



BLZP 5.00HC/./90F



Dimensioned drawing



Ordering data

Solder pin length					
Colour					orange
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	90	1959520000	
3	10.00	0.394	72	1959510000	
4	15.00	0.591	60	1959500000	
5	20.00	0.788	48	1959490000	
6	25.00	0.985	42	1959480000	
7	30.00	1.182	36	1959470000	
8	35.00	1.379	36	1959460000	
9	40.00	1.576	30	1959440000	
10	45.00	1.773	30	1959430000	
11	50.00	1.970	24	1959390000	
12	55.00	2.167	24	1959370000	

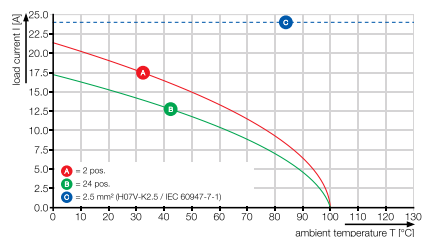
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it 's even both - perfect for the current, and perfect for the force.



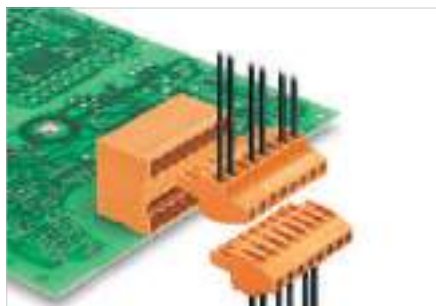
Additional deratings curves

BLZP 5.00/./90 - SL-SMT 5.00/./90



Connectors in 5.00 mm pitch Series BL/SL 5.00

BLZP 5.00HC../270



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY - delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1	
According to norm			
Tightening torque range			
Rated current, max.	A	23	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	50 300
Rated current	A	20	20
AWG conductor	AWG	30-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm²
UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

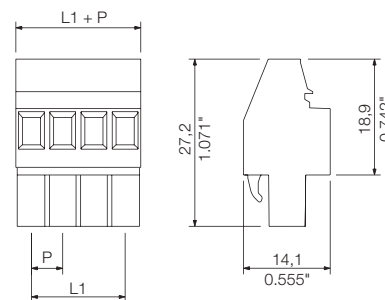
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.00HC../270



Dimensioned drawing



Accessories

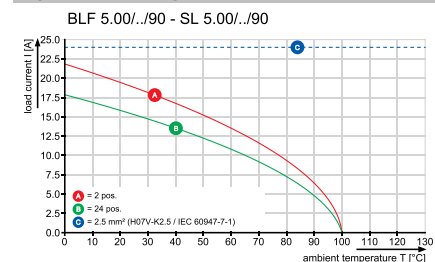
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDS 0.6X3.5X100	2749340000
SDIS 0.6X3.5X100	2749810000
SDK PH1 X 80	2749410000
SDK PZ1 X 80	2749440000

Ordering data

Solder pin length					
Colour	orange				
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	180	1958870000	
3	10.00	0.394	120	1958860000	
4	15.00	0.591	90	1958850000	
5	20.00	0.788	72	1958840000	
6	25.00	0.985	60	1958830000	
7	30.00	1.182	48	1958820000	
8	35.00	1.379	42	1958810000	
9	40.00	1.576	36	1958800000	
10	45.00	1.773	36	1958790000	
11	50.00	1.970	30	1958780000	
12	55.00	2.167	30	1959150000	

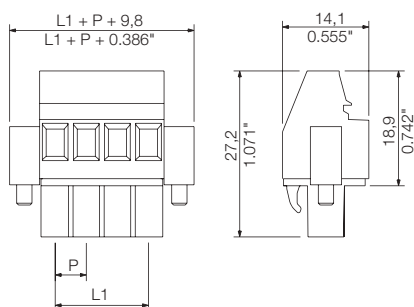
Representative deratings curve



BLZP 5.00HC/././270F



Dimensioned drawing



Ordering data

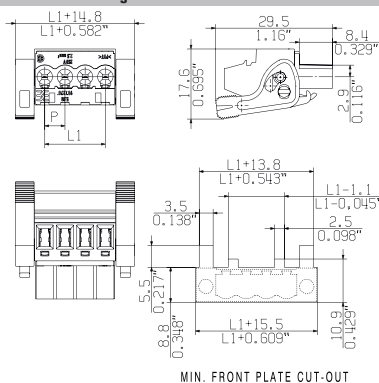
Solder pin length					
Colour					orange
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	90	1960460000	
3	10.00	0.394	72	1960450000	
4	15.00	0.591	60	1960440000	
5	20.00	0.788	48	1960430000	
6	25.00	0.985	42	1960420000	
7	30.00	1.182	36	1960410000	
8	35.00	1.379	36	1960400000	
9	40.00	1.576	30	1960390000	
10	45.00	1.773	30	1960380000	
11	50.00	1.970	24	1960370000	
12	55.00	2.167	24	1959450000	

BLZP 5.00HC/././270LR

with lock and release lever



Dimensioned drawing



Ordering data

Solder pin length					
Colour					orange
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	90	1960960000	
3	10.00	0.394	72	1960950000	
4	15.00	0.591	60	1960940000	
5	20.00	0.788	48	1960930000	
6	25.00	0.985	42	1960920000	
7	30.00	1.182	36	1960910000	
8	35.00	1.379	36	1960900000	
9	40.00	1.576	30	1960890000	
10	45.00	1.773	30	1960880000	
11	50.00	1.970	24	1960870000	
12	55.00	2.167	24	1960860000	

The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.00 mm pitch Series BL/SL 5.00

BLF 5.00HC../180



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling - since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.25...2.5	
Ferrule with plastic collar		...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
		According to norm DIN 5264	
Tightening torque range			
Rated current, max.	A	23	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	12-26	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 23 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

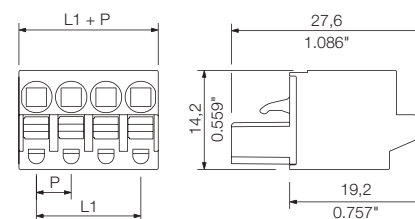
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.

BLF 5.00HC../180



Dimensioned drawing



Accessories

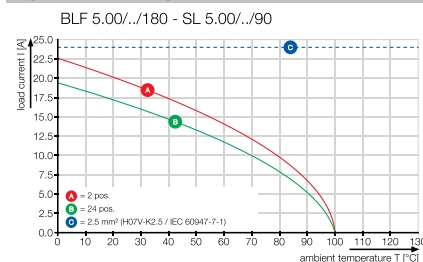
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDS 0.6X3.5X100	2749340000
SDIS 0.6X3.5X100	2749810000
Wire-end ferrule	
H0,5/14S W	9004590000
H1,0/14S R	9018560000
H1,5/14DS SW	9025240000
H2,5/14DS BL	1333100000

Ordering data

Solder pin length				
Colour	orange			
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	180	1017860000
3	10.00	0.394	120	1017870000
4	15.00	0.591	90	1017880000
5	20.00	0.788	72	1017890000
6	25.00	0.985	60	1017910000
7	30.00	1.182	48	1017920000
8	35.00	1.379	42	1017930000
9	40.00	1.576	36	1017950000
10	45.00	1.773	36	1017960000
11	50.00	1.970	30	1017970000
12	55.00	2.167	30	1017980000

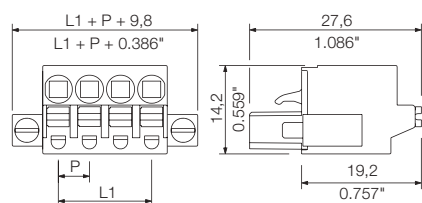
Representative deratings curve



BLF 5.00HC../180F



Dimensioned drawing



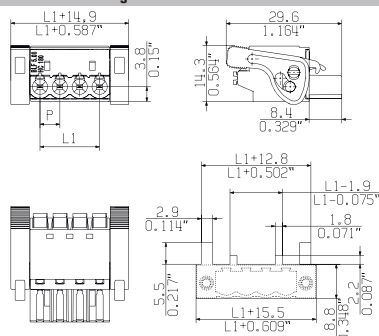
Ordering data

Solder pin length					
Colour					orange
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	90	1017420000	
3	10.00	0.394	72	1017430000	
4	15.00	0.591	60	1017440000	
5	20.00	0.788	48	1017450000	
6	25.00	0.985	42	1017470000	
7	30.00	1.182	36	1017480000	
8	35.00	1.379	36	1017490000	
9	40.00	1.576	30	1017510000	
10	45.00	1.773	30	1017520000	
11	50.00	1.970	24	1017530000	
12	55.00	2.167	24	1017540000	

BLF 5.00HC../180LR



Dimensioned drawing



MIN. FRONT PLATE CUT-OUT

Ordering data

Solder pin length					
Colour					orange
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	90	1016340000	
3	10.00	0.394	72	1016350000	
4	15.00	0.591	60	1016360000	
5	20.00	0.788	48	1016370000	
6	25.00	0.985	42	1016380000	
7	30.00	1.182	36	1016390000	
8	35.00	1.379	36	1016410000	
9	40.00	1.576	30	1016420000	
10	45.00	1.773	30	1016430000	
11	50.00	1.970	24	1016440000	
12	55.00	2.167	24	1016450000	

PUSH IN connection technology

PUSH IN connection technology reduces the wiring efforts especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanatory and enable tool-less handling. The contact element made of stainless steel ensures a vibration proof, maintenance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.



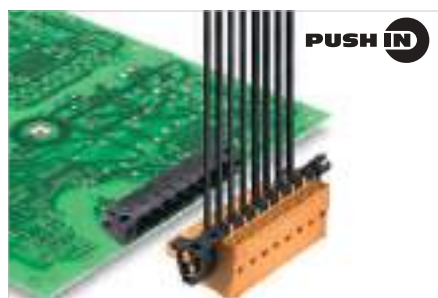
The 2-in-1 contact

Every pluggable connector covers two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybrid platform contact ensures a constant quality on a very high level. Hybrid means, that we combine metal material featuring different characteristics by welding, in order to divide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.00 mm pitch Series BL/SL 5.00

BLF 5.00HC/./90



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling - since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.25...2.5	
Ferrule with plastic collar	mm ²	0.25...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
		According to norm DIN 5264	
Tightening torque range			
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	12-26	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

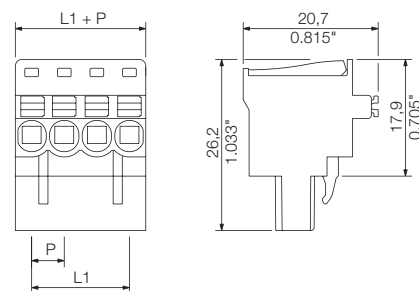
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.

BLF 5.00HC/./90



Dimensioned drawing



Accessories

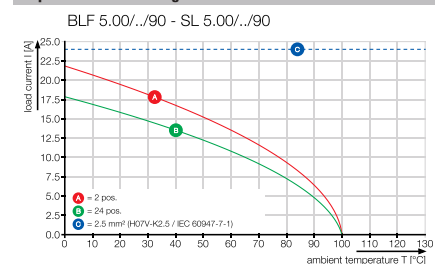
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDS 0.6X3.5X100	2749340000
SDIS 0.6X3.5X100	2749810000
Wire-end ferrule	
H0,5/14S W	9004590000
H1,0/14S R	9018560000
H1,5/14DS SW	9025240000
H2,5/14DS BL	1333100000

Ordering data

Solder pin length				
Colour	orange			
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	180	1980170000
3	10.00	0.394	120	1980180000
4	15.00	0.591	90	1980190000
5	20.00	0.788	72	1980200000
6	25.00	0.985	60	1980210000
7	30.00	1.182	48	1980220000
8	35.00	1.379	42	1980230000
9	40.00	1.576	36	1980240000
10	45.00	1.773	36	1980250000
11	50.00	1.970	30	1980260000
12	55.00	2.167	30	1980270000

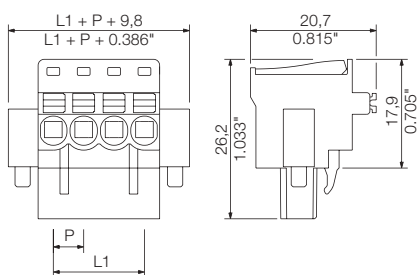
Representative deratings curve



BLF 5.00HC/././90F



Dimensioned drawing



Ordering data

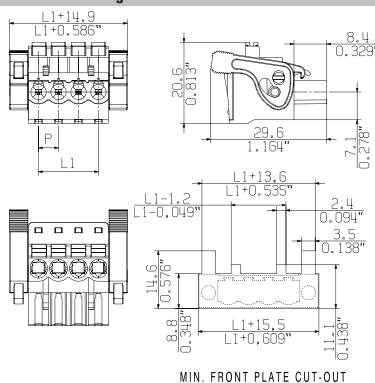
Solder pin length					
Colour					orange
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	90	1980640000	
3	10.00	0.394	72	1980650000	
4	15.00	0.591	60	1980660000	
5	20.00	0.788	48	1980670000	
6	25.00	0.985	42	1980680000	
7	30.00	1.182	36	1980690000	
8	35.00	1.379	36	1980700000	
9	40.00	1.576	30	1980710000	
10	45.00	1.773	30	1980720000	
11	50.00	1.970	24	1980730000	
12	55.00	2.167	24	1980740000	

BLF 5.00HC/././90LR

with lock and release lever



Dimensioned drawing



Ordering data

Solder pin length					
Colour					orange
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.00	0.197	90	1980870000	
3	10.00	0.394	72	1980880000	
4	15.00	0.591	60	1980890000	
5	20.00	0.788	48	1980900000	
6	25.00	0.985	42	1980910000	
7	30.00	1.182	36	1980920000	
8	35.00	1.379	36	1980930000	
9	40.00	1.576	30	1980940000	
10	45.00	1.773	30	1980950000	
11	50.00	1.970	24	1980960000	
12	55.00	2.167	24	1980970000	

PUSH IN connection technology

PUSH IN connection technology reduces the wiring efforts especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanatory and enable tool-less handling. The contact element made of stainless steel ensures a vibration proof, maintenance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.



The 2-in-1 contact

Every pluggable connector covers two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to divide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

SL-SMT 5.08HC/./90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Solder eyelet diameter $D = 1.5 \pm 0.1$ mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC/./90 Box

Packaged in box



Dimensioned drawing

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	27.5	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	18.5
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000
LED light guide	
SL FLA 1.5/1	1580100000
SL FLA 2,3/1	1636670000
SL FLA 2,3/24	1636680000
SL FLA 3,8/1	1580110000
SL FLA 9,0/1	1580120000

Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1779950000
3	10.16	0.400	100	1779960000
4	15.24	0.600	100	1779970000
5	20.32	0.800	50	1779980000
6	25.40	1.000	50	1779990000
7	30.48	1.200	50	1780000000
8	35.56	1.400	50	1780010000
9	40.64	1.600	50	1780020000
10	45.72	1.800	50	1780030000
11	50.80	2.000	50	1780040000
12	55.88	2.200	50	1780050000

L

5.08

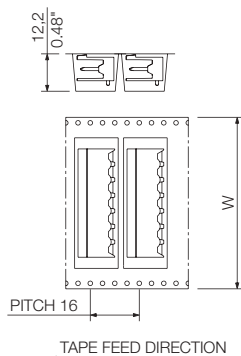
90°

SL-SMT 5.08HC../90 Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm			
Colour		black			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	350	1821160000	
3	10.16	0.400	350	1821170000	
4	15.24	0.600	350	1774784001	
5	20.32	0.800	350	1774794001	
6	25.40	1.000	350	1774804001	
7	30.48	1.200	350	1774814001	
8	35.56	1.400	350	1774824001	

Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC../90G Box

Packaged in box



Dimensioned drawing

Ordering data

Solder pin length		3.2 mm			
Colour		black			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	100	1780180000	
3	10.16	0.400	100	1780190000	
4	15.24	0.600	100	1780200000	
5	20.32	0.800	50	1780210000	
6	25.40	1.000	50	1780220000	
7	30.48	1.200	50	1780230000	
8	35.56	1.400	50	1780240000	
9	40.64	1.600	50	1780250000	
10	45.72	1.800	50	1780260000	
11	50.80	2.000	50	1780270000	
12	55.88	2.200	50	1780280000	

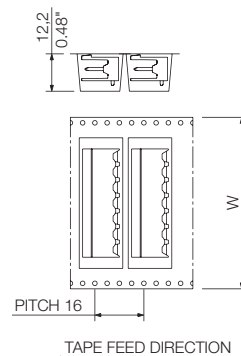
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC../90G Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm			
Colour		black			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	350	1821140000	
3	10.16	0.400	350	1775014001	
4	15.24	0.600	350	1775024001	
5	20.32	0.800	350	1775034001	
6	25.40	1.000	350	1775044001	
7	30.48	1.200	350	1775054001	

Tape widths: 32, 44, 56, 72, 88



Connectors in 5.08 mm pitch Series BL/SL 5.08

SL-SMT 5.08HC../90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	27.5	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG		
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	18.5
AWG conductor	AWG		
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.5	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

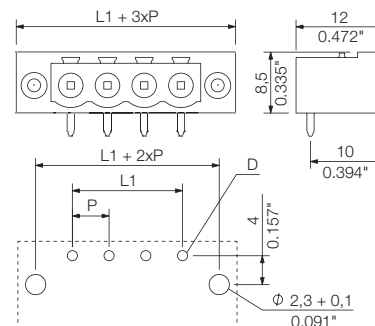
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Solder eyelet diameter $D = 1.5 \pm 0.1$ mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC../90F Box

Packaged in box



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000
LED light guide	
SL FLA 1.5/1	1580100000
SL FLA 2,3/1	1636670000
SL FLA 2,3/24	1636680000
SL FLA 3,8/1	1580110000
SL FLA 9,0/1	1580120000

Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1837630000
3	10.16	0.400	72	1837640000
4	15.24	0.600	60	1837650000
5	20.32	0.800	48	1837660000
6	25.40	1.000	42	1837670000
7	30.48	1.200	36	1837680000
8	35.56	1.400	36	1837690000
9	40.64	1.600	30	1837700000
10	45.72	1.800	30	1837710000
11	50.80	2.000	24	1837720000
12	55.88	2.200	24	1837730000

5.08

90°



Connectors in 5.08 mm pitch Series BL/SL 5.08

SL-SMT 5.08HC../90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	27.5	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG		
CSA (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	18.5	18.5
AWG conductor	AWG		
General data			
Type of insulation material	LCP GF		
UL 94 flammability rating	V-0		
Contact base material	CuMg		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.5	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

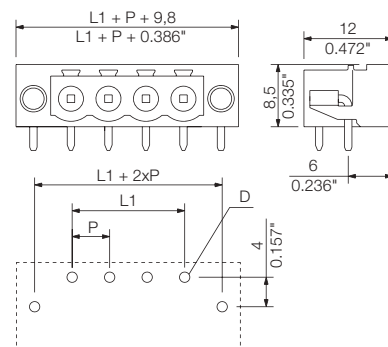
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Solder eyelet diameter $D = 1.5 \pm 0.1$ mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC../90LF Box

Packaged in box; with solder flange



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000
LED light guide	
SL FLA 1.5/1	1580100000
SL FLA 2,3/1	1636670000
SL FLA 2,3/24	1636680000
SL FLA 3,8/1	1580110000
SL FLA 9,0/1	1580120000

Ordering data

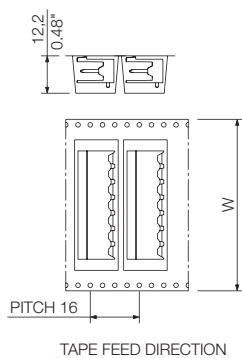
Solder pin length		3.2 mm		
Colour		black		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1780410000
3	10.16	0.400	72	1780420000
4	15.24	0.600	60	1780430000
5	20.32	0.800	48	1780440000
6	25.40	1.000	42	1780450000
7	30.48	1.200	36	1780460000
8	35.56	1.400	36	1780470000
9	40.64	1.600	30	1780480000
10	45.72	1.800	30	1780490000
11	50.80	2.000	24	1780500000
12	55.88	2.200	24	1780510000

SL-SMT 5.08HC/./90LF Tape

Tape-on-reel; with solder flange



Dimensioned drawing



Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers. The disadvantages are additional process steps that make the PCB mounting complex and cost intensive. The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header. This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



Ordering data

Solder pin length		1.5 mm	
Colour		black	
Pitch		5.08 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	350 1775234001
3	10.16	0.400	350 1775244001
4	15.24	0.600	350 1775254001
5	20.32	0.800	350 1775264001
6	25.40	1.000	350 1775274001

Tape widths: 32, 44, 56, 72, 88

Connectors in 5.08 mm pitch Series BL/SL 5.08

SL-SMT 5.08HC../180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	27.5	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A		18.5
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

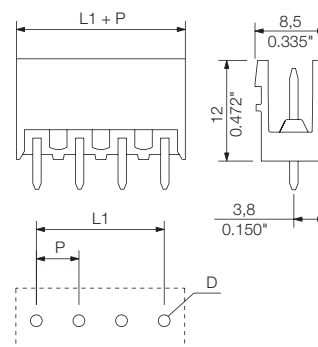
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Solder eyelet diameter $D = 1.5 \pm 0.1$ mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC../180 Box

Packaged in box







Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
 BLZ/SL KO OR BX	1573010000
 BLZ/SL KO BK BX	1545710000
Spacer	
 SL AT OR	1598300000
 SL AT SW	1770240000

Ordering data

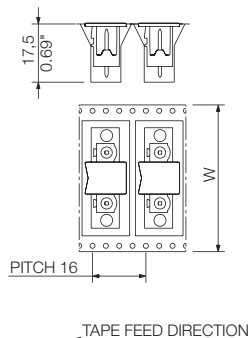
Solder pin length		3.2 mm		
Colour		black		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1837980000
3	10.16	0.400	100	1837990000
4	15.24	0.600	100	1838000000
5	20.32	0.800	50	1838010000
6	25.40	1.000	50	1838020000
7	30.48	1.200	50	1838030000
8	35.56	1.400	50	1838040000
9	40.64	1.600	50	1838050000
10	45.72	1.800	50	1838060000
11	50.80	2.000	50	1838070000
12	55.88	2.200	50	1838080000

SL-SMT 5.08HC../180 Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm			
Colour		black			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	250	1821100000	
3	10.16	0.400	250	1821110000	
4	15.24	0.600	250	1775594001	
5	20.32	0.800	250	1775634001	
6	25.40	1.000	250	1775644001	
7	30.48	1.200	250	1775654001	
8	35.56	1.400	250	1775664001	

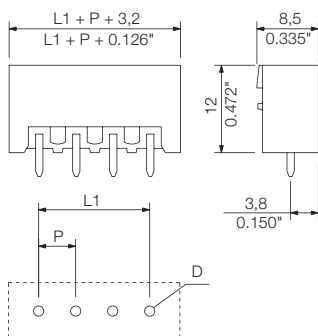
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC../180G Box

Packaged in box



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm			
Colour		black			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	100	1838210000	
3	10.16	0.400	100	1838220000	
4	15.24	0.600	100	1838230000	
5	20.32	0.800	50	1838240000	
6	25.40	1.000	50	1838250000	
7	30.48	1.200	50	1838260000	
8	35.56	1.400	50	1838270000	
9	40.64	1.600	50	1838280000	
10	45.72	1.800	50	1838290000	
11	50.80	2.000	50	1838300000	
12	55.88	2.200	50	1838310000	

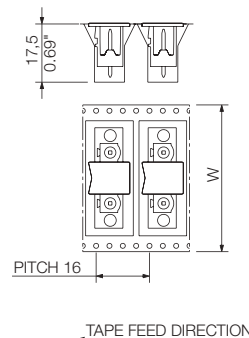
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC../180G Tape

Tape-on-reel



Dimensioned drawing



Ordering data

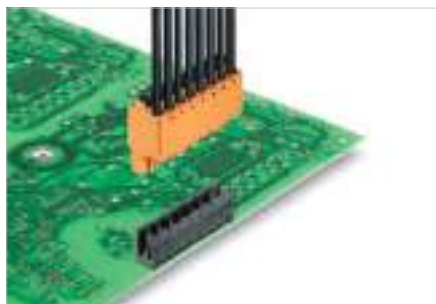
Solder pin length		1.5 mm			
Colour		black			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	250	1820170000	
3	10.16	0.400	250	1775934001	
4	15.24	0.600	250	1775944001	
5	20.32	0.800	250	1775954001	
6	25.40	1.000	250	1775964001	
7	30.48	1.200	250	1775974001	

Tape widths: 32, 44, 56, 72, 88



Connectors in 5.08 mm pitch Series BL/SL 5.08

SL-SMT 5.08HC../180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	27.5	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A		18.5
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

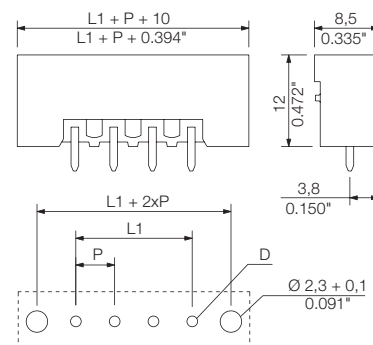
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Solder eyelet diameter $D = 1.5 \pm 0.1$ mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC../180F Box

Packaged in box







Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
 BLZ/SL KO OR BX	1573010000
 BLZ/SL KO BK BX	1545710000
Spacer	
 SL AT OR	1598300000
 SL AT SW	1770240000

Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1837860000
3	10.16	0.400	72	1820600000
4	15.24	0.600	60	1837870000
5	20.32	0.800	48	1820770000
6	25.40	1.000	42	1820610000
7	30.48	1.200	36	1837880000
8	35.56	1.400	36	1820620000
9	40.64	1.600	30	1837890000
10	45.72	1.800	30	1820780000
11	50.80	2.000	24	1837900000
12	55.88	2.200	24	1820630000



Connectors in 5.08 mm pitch Series BL/SL 5.08

SL-SMT 5.08HC/./180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	27.5	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A		18.5
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.5	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmuller.com

Note:

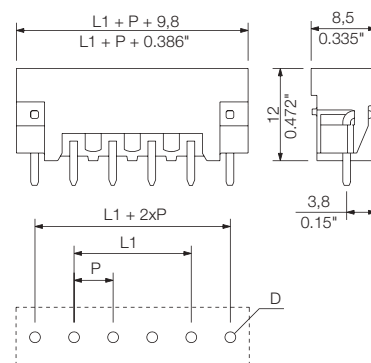
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Solder eyelet diameter $D = 1.5 \pm 0.1$ mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC/./180LF Box

Packaged in box; with solder flange







Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
 BLZ/SL KO OR BX	1573010000
 BLZ/SL KO BK BX	1545710000
Spacer	Order No.
 SL AT OR	1598300000
 SL AT SW	1770240000

Ordering data

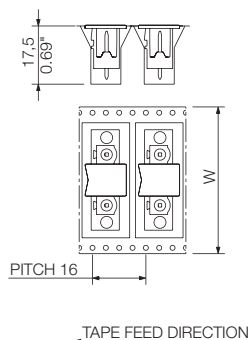
Solder pin length		3.2 mm		
Colour		black		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1838440000
3	10.16	0.400	72	1838450000
4	15.24	0.600	60	1838460000
5	20.32	0.800	48	1838470000
6	25.40	1.000	42	1838480000
7	30.48	1.200	36	1838490000
8	35.56	1.400	36	1838500000
9	40.64	1.600	30	1838510000
10	45.72	1.800	30	1838520000
11	50.80	2.000	24	1838530000
12	55.88	2.200	24	1838540000

SL-SMT 5.08HC/./180LF Tape

Packaged in box; with solder flange



Dimensioned drawing



Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers. The disadvantages are additional process steps that make the PCB mounting complex and cost intensive. The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header. This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



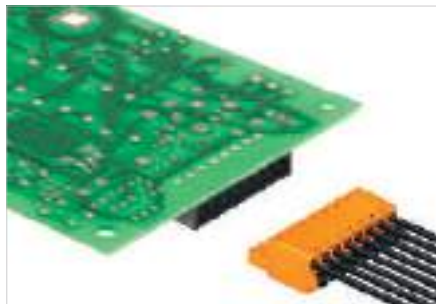
Ordering data

Solder pin length		1.5 mm	
Colour		black	
Pitch		5.08 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	250 1776364001
3	10.16	0.400	250 1776374001
4	15.24	0.600	250 1776384001
5	20.32	0.800	250 1776394001
6	25.40	1.000	250 1776404001

Tape widths: 32, 44, 56, 72, 88

Connectors in 5.08 mm pitch Series BL/SL 5.08

SL-SMT 5.08HC/./270



High-temperature-resistant, 270°-angled male connector, optimised for the SMT process. When using the flat-shaped version (L), a circuit board cut-out is required to accommodate the snap-on finger of the counterpart. There is no need for an extra screw connecting the circuit board when the solder flange version is used. This also protects the solder points from mechanical strain. As an option, the 1.5-mm short solder pins allow the PCB to be attached to both sides and minimise the need for solder paste. The male connectors can be manually coded or ordered as pre-coded connectors. Packaged in tape-on-reel or in a cardboard box.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	27.5	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	-	
CSA (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	18.5	18.5
AWG conductor	AWG	-	
General data			
Type of insulation material	LCP GF		
UL 94 flammability rating	V-0		
Contact base material	CuMg		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

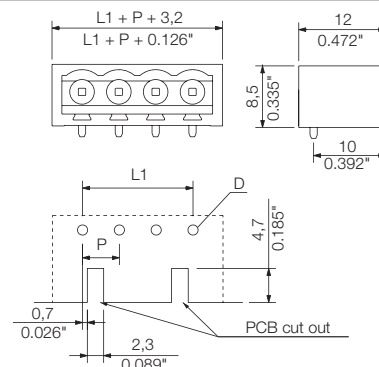
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Solder eyelet diameter $D = 1.5 \pm 0.1$ mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC/./270GL Box

Packaged in box



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000

Ordering data

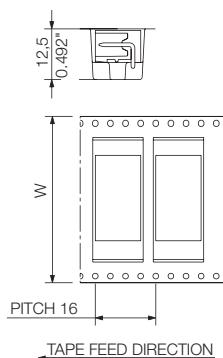
Solder pin length		3.2 mm		
Colour		black		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1877470000
3	10.16	0.400	100	1877490000
4	15.24	0.600	100	1877510000
5	20.32	0.800	50	1877520000
6	25.40	1.000	50	1877530000
7	30.48	1.200	50	1877540000
8	35.56	1.400	50	1877550000

SL-SMT 5.08HC/./270GL Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm			
Colour		black			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	350	1877740000	
3	10.16	0.400	350	1877750000	
4	15.24	0.600	350	1877760000	
5	20.32	0.800	350	1877770000	
6	25.40	1.000	350	1877780000	
7	30.48	1.200	350	1877790000	
8	35.56	1.400	350	1877800000	

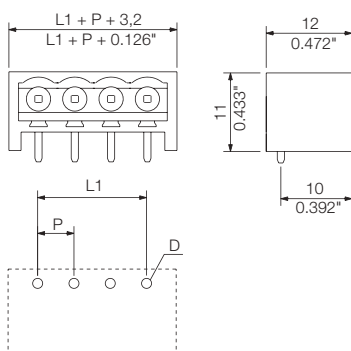
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC/./270GH Box

Packaged in box



Dimensioned drawing



Ordering data

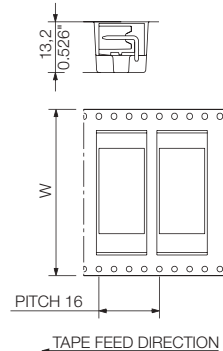
Solder pin length		3.2 mm			
Colour		black			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	100	1877370000	
3	10.16	0.400	100	1877380000	
4	15.24	0.600	100	1877390000	
5	20.32	0.800	50	1877400000	
6	25.40	1.000	50	1877410000	
7	30.48	1.200	50	1877420000	
8	35.56	1.400	50	1877450000	

SL-SMT 5.08HC/./270GH Tape

Tape-on-reel



Dimensioned drawing



Ordering data

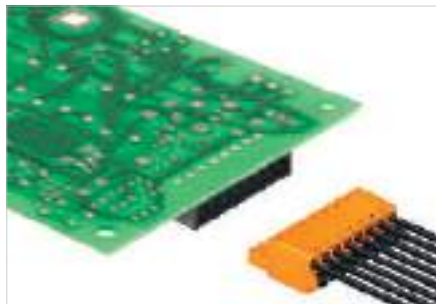
Solder pin length		1.5 mm			
Colour		black			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	335	1877560000	
3	10.16	0.400	335	1877600000	
4	15.24	0.600	335	1877610000	
5	20.32	0.800	225	1877620000	
6	25.40	1.000	265	1877630000	
7	30.48	1.200	335	1877640000	
8	35.56	1.400	285	1877650000	

Tape widths: 32, 44, 56, 72, 88



Connectors in 5.08 mm pitch Series BL/SL 5.08

SL-SMT 5.08HC../270



High-temperature-resistant, 270°-angled male connector, optimised for the SMT process. When using the flat-shaped version (L), a circuit board cut-out is required to accommodate the snap-on finger of the counterpart. There is no need for an extra screw connecting the circuit board when the solder flange version is used. This also protects the solder points from mechanical strain. As an option, the 1.5-mm short solder pins allow the PCB to be attached to both sides and minimise the need for solder paste. The male connectors can be manually coded or ordered as pre-coded connectors. Packaged in tape-on-reel or in a cardboard box.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	27.5	24
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG		
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	18.5
AWG conductor	AWG		
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 27.5 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

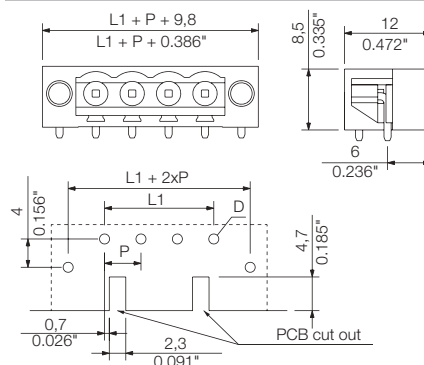
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Solder eyelet diameter $D = 1.5 \pm 0.1$ mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC../270FL Box

Packaged in box; with solder flange



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000

Ordering data

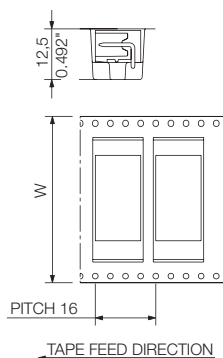
Solder pin length		3.2 mm		
Colour		black		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1876850000
3	10.16	0.400	100	1876860000
4	15.24	0.600	100	1876870000
5	20.32	0.800	50	1876880000
6	25.40	1.000	50	1876890000
7	30.48	1.200	50	1876900000
8	35.56	1.400	50	1876910000

SL-SMT 5.08HC/./270FL Tape

Tape-on-reel; with solder flange



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm			
Colour		black			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	350	1876990000	
3	10.16	0.400	350	1877000000	
4	15.24	0.600	350	1877020000	
5	20.32	0.800	350	1877070000	
6	25.40	1.000	350	1877090000	
7	30.48	1.200	300	1877110000	
8	35.56	1.400	300	1877120000	

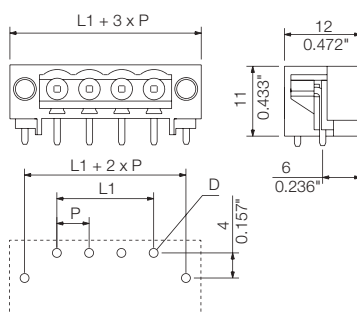
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC/./270FH Box

Packaged in box; with solder flange



Dimensioned drawing



Ordering data

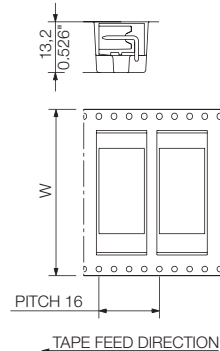
Solder pin length		3.2 mm			
Colour		black			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	100	1877190000	
3	10.16	0.400	100	1877210000	
4	15.24	0.600	100	1877330000	
5	20.32	0.800	50	1877430000	
6	25.40	1.000	50	1877460000	
7	30.48	1.200	50	1877480000	
8	35.56	1.400	50	1877500000	

SL-SMT 5.08HC/./270FH Tape

Tape-on-reel; with solder flange



Dimensioned drawing



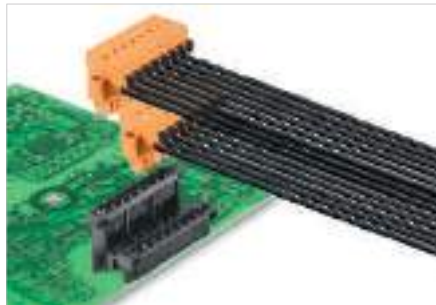
Ordering data

Solder pin length		1.5 mm			
Colour		black			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	335	1876920000	
3	10.16	0.400	225	1876930000	
4	15.24	0.600	225	1876940000	
5	20.32	0.800	335	1876950000	
6	25.40	1.000	225	1876960000	
7	30.48	1.200	195	1876970000	
8	35.56	1.400	195	1876980000	

Tape widths: 32, 44, 56, 72, 88

Connectors in 5.08 mm pitch Series BL/SL 5.08

SLDV-THR 5.08../180



Double-level, high-temperature-resistant male header, optimised for SMT processing. The connection levels are offset and designed for a female plug with screw connection or PUSH IN wire connect. The male headers can be manually coded or ordered as pre-coded headers.

- Available with screw flange (F) or screw & solder flange (FLF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The FLF version is featured with a soldering flange and an additional screw-fastening possibility to the PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	15	13
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	-	
CSA (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	-	
General data			
Type of insulation material	LCP GF		
UL 94 flammability rating	V-0		
Contact base material	CuSn		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 15 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

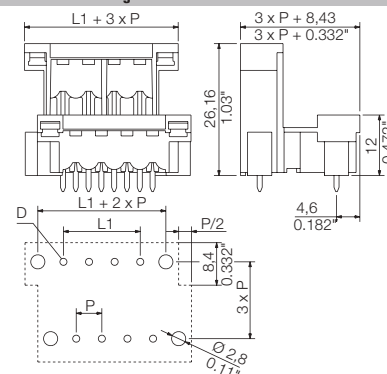
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLDV-THR 5.08../180F

Packaged in box



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	Order No.
SL AT OR	1598300000
SL AT SW	1770240000

Ordering data

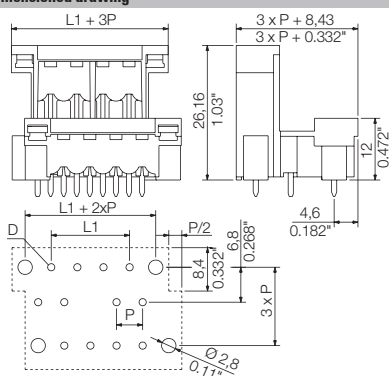
Solder pin length		3.2 mm		
Colour		black		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1828770000
6	10.16	0.400	50	1828780000
8	15.24	0.600	50	1828790000
10	20.32	0.800	50	1828800000
12	25.40	1.000	50	1828810000
14	30.48	1.200	20	1828820000
16	35.56	1.400	20	1828830000
18	40.64	1.600	20	1828840000
20	45.72	1.800	20	1828850000
22	50.80	2.000	10	1828860000
24	55.88	2.200	10	1828870000

SLDV-THR 5.08/./180FLF

Packaged in box; with solder flange



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1829010000
6	10.16	0.400	50	1829020000
8	15.24	0.600	50	1829030000
10	20.32	0.800	50	1829040000
12	25.40	1.000	50	1829050000
14	30.48	1.200	20	1829060000
16	35.56	1.400	20	1829070000
18	40.64	1.600	20	1829080000
20	45.72	1.800	20	1829090000
22	50.80	2.000	10	1829100000
24	55.88	2.200	10	1829110000

Connectors in 5.08 mm pitch Series BL/SL 5.08

SL 5.08HC/./90



Male headers made from glass-fibre-reinforced plastic with 90° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	-	
CSA (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	-	
General data			
Type of insulation material	PA GF		
UL 94 flammability rating	V-0		
Contact base material	CuMg		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 24 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmuller.com

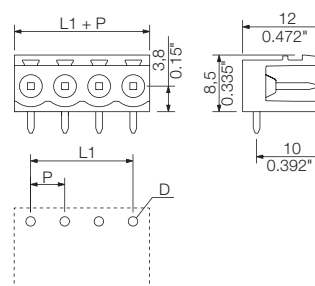
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 5.08HC/./90



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000
LED light guide	
SL FLA 1.5/1	1580100000
SL FLA 2,3/1	1636670000
SL FLA 2,3/24	1636680000
SL FLA 3.8/1	1580110000
SL FLA 9.0/1	1580120000
Mounting block	
SLA BB11R OR	1604120000
SLA BB11R SW	1692340000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1146720000
3	10.16	0.400	100	1146740000
4	15.24	0.600	100	1146770000
5	20.32	0.800	50	1146790000
6	25.40	1.000	50	1146810000
7	30.48	1.200	50	1146830000
8	35.56	1.400	50	1146850000
9	40.64	1.600	50	1146880000
10	45.72	1.800	50	1146900000
11	50.80	2.000	50	1146920000
12	55.88	2.200	50	1146940000

L

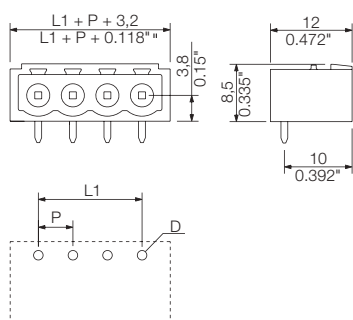
5.08

90°

SL 5.08HC../90G



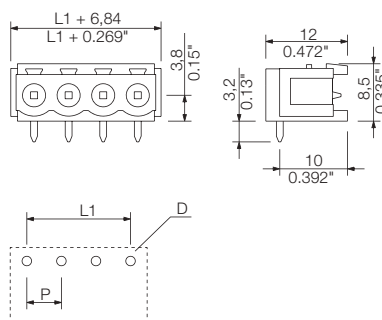
Dimensioned drawing



SL 5.08HC../90B



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Order No.
2	5.08	0.200	1147280000
3	10.16	0.400	1147310000
4	15.24	0.600	1147340000
5	20.32	0.800	1147370000
6	25.40	1.000	1147400000
7	30.48	1.200	1147420000
8	35.56	1.400	1147450000
9	40.64	1.600	1147490000
10	45.72	1.800	1147530000
11	50.80	2.000	1147570000
12	55.88	2.200	1147600000

Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Order No.
2	5.08	0.200	1148030000
3	10.16	0.400	1148070000
4	15.24	0.600	1148100000
5	20.32	0.800	1148130000
6	25.40	1.000	1148170000
7	30.48	1.200	1148200000
8	35.56	1.400	1154830000
9	40.64	1.600	1154840000
10	45.72	1.800	1154850000
11	50.80	2.000	1154870000
12	55.88	2.200	1154880000

Connectors in 5.08 mm pitch Series BL/SL 5.08

SL 5.08HC/./90



Male headers made from glass-fibre-reinforced plastic with 90° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	-	
CSA (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	-	
General data			
Type of insulation material	PA GF		
UL 94 flammability rating	V-0		
Contact base material	CuMg		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 24 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmueller.com

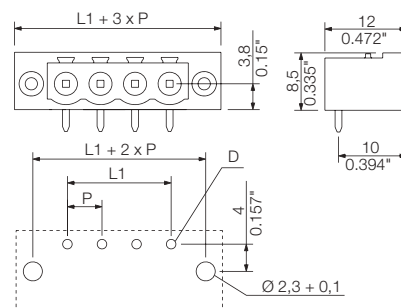
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 5.08HC/./90F



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000
LED light guide	
SL FLA 1.5/1	1580100000
SL FLA 2,3/1	1636670000
SL FLA 2,3/24	1636680000
SL FLA 3,8/1	1580110000
SL FLA 9,0/1	1580120000

Ordering data

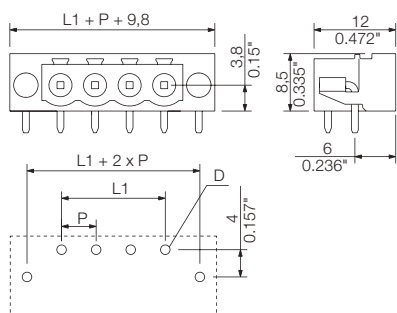
Solder pin length		3.2 mm		
Colour		orange		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1148610000
3	10.16	0.400	72	1148640000
4	15.24	0.600	60	1148680000
5	20.32	0.800	48	1148710000
6	25.40	1.000	42	1148740000
7	30.48	1.200	36	1148780000
8	35.56	1.400	36	1148810000
9	40.64	1.600	30	1148840000
10	45.72	1.800	30	1148880000
11	50.80	2.000	24	1148910000
12	55.88	2.200	24	1148940000

SL 5.08HC/./90LF

with solder flange



Dimensioned drawing



Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers. The disadvantages are additional process steps that make the PCB mounting complex and cost intensive. The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header. This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	90 1149380000
3	10.16	0.400	72 1149410000
4	15.24	0.600	60 1149440000
5	20.32	0.800	48 1149480000
6	25.40	1.000	42 1149510000
7	30.48	1.200	36 1149540000
8	35.56	1.400	36 1149580000
9	40.64	1.600	30 1149610000
10	45.72	1.800	30 1149640000
11	50.80	2.000	24 1149680000
12	55.88	2.200	24 1149710000

Connectors in 5.08 mm pitch Series BL/SL 5.08

SL 5.08HC/./180



Male headers made from glass-fibre-reinforced plastic with 180° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	18.5
AWG conductor	AWG		-
General data			
Type of insulation material		PA GF	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 24 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmueller.com

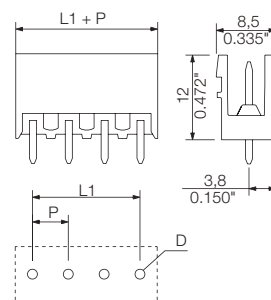
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 5.08HC/./180



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000
Mounting block	
SLA BB11R OR	1604120000
SLA BB11R SW	1692340000

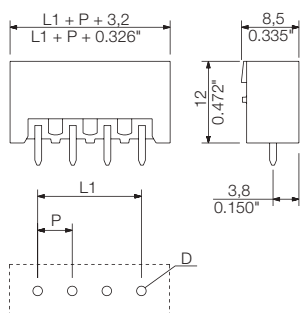
Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1146320000
3	10.16	0.400	100	1146340000
4	15.24	0.600	100	1146380000
5	20.32	0.800	50	1146410000
6	25.40	1.000	50	1146450000
7	30.48	1.200	50	1146470000
8	35.56	1.400	50	1146490000
9	40.64	1.600	50	1146510000
10	45.72	1.800	50	1146530000
11	50.80	2.000	50	1146550000
12	55.88	2.200	50	1146570000

SL 5.08HC../180G



Dimensioned drawing



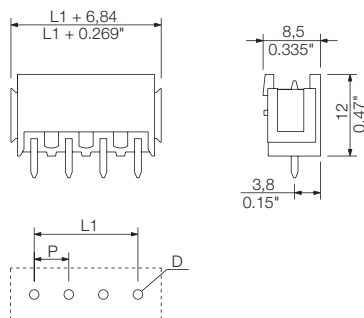
Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Order No.
2	5.08	0.200	1146730000
3	10.16	0.400	1146750000
4	15.24	0.600	1146780000
5	20.32	0.800	1146800000
6	25.40	1.000	1146820000
7	30.48	1.200	1146840000
8	35.56	1.400	1146870000
9	40.64	1.600	1146890000
10	45.72	1.800	1146910000
11	50.80	2.000	1146930000
12	55.88	2.200	1146950000

SL 5.08HC../180B



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Order No.
2	5.08	0.200	1147300000
3	10.16	0.400	1147330000
4	15.24	0.600	1147360000
5	20.32	0.800	1147390000
6	25.40	1.000	1147430000
7	30.48	1.200	1147470000
8	35.56	1.400	1147510000
9	40.64	1.600	1147540000
10	45.72	1.800	1147580000
11	50.80	2.000	1147610000
12	55.88	2.200	1147640000

Connectors in 5.08 mm pitch Series BL/SL 5.08

SL 5.08HC/./180



Male headers made from glass-fibre-reinforced plastic with 180° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	-	
CSA (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	18.5	18.5
AWG conductor	AWG	-	
General data			
Type of insulation material	PA GF		
UL 94 flammability rating	V-0		
Contact base material	CuMg		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 24 A
UL: 300 V / 18.5 A



For additional articles and information, refer to catalog.weidmueller.com

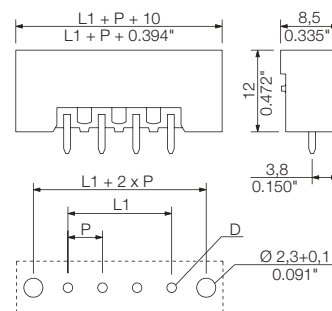
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 5.08HC/./180F



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1147130000
3	10.16	0.400	72	1147170000
4	15.24	0.600	60	1147200000
5	20.32	0.800	48	1147230000
6	25.40	1.000	42	1147260000
7	30.48	1.200	36	1147290000
8	35.56	1.400	36	1147320000
9	40.64	1.600	30	1147350000
10	45.72	1.800	30	1147380000
11	50.80	2.000	24	1147410000
12	55.88	2.200	24	1147440000

L

5.08

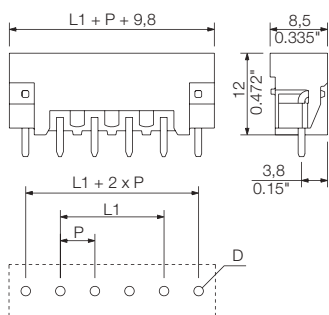
180°

SL 5.08HC../180LF

with solder flange



Dimensioned drawing

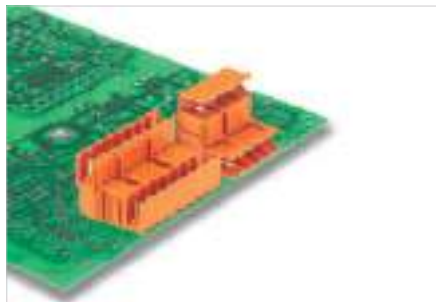


Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1147890000
3	10.16	0.400	72	1147920000
4	15.24	0.600	60	1147950000
5	20.32	0.800	48	1147990000
6	25.40	1.000	42	1148020000
7	30.48	1.200	36	1148050000
8	35.56	1.400	36	1148090000
9	40.64	1.600	30	1148120000
10	45.72	1.800	30	1148150000
11	50.80	2.000	24	1148190000
12	55.88	2.200	24	1148220000

Connectors in 5.08 mm pitch Series BL/SL 5.08

SLD 5.08V../90 & 180



Double-level male header optimised for wave soldering. The connection levels are offset and designed for a female plug with screw- or PUSH IN wire connect. All male headers can be manually coded or ordered as pre-coded headers.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	17	15	
At ambient temperature	20°C	40°C	
For conductor cross-section			
Overvoltage category	III	III	II
Pollution severity	3	2	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	-	-
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	-	-
General data			
Type of insulation material	PBT		
UL 94 flammability rating	V-0		
Contact base material	CuSn		
Material of contact surface	tinned		
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 17 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

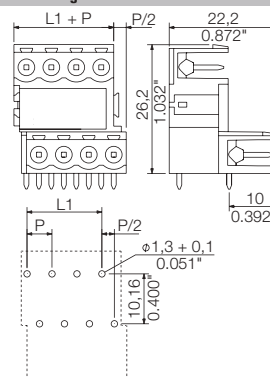
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLD 5.08V/90



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Mounting block		Order No.
	SLA BB14 OR	1594200000
	SLA BB14 SW	1774460000
Coding		
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1725170000
6	10.16	0.400	50	1725180000
8	15.24	0.600	50	1725190000
10	20.32	0.800	50	1725200000
12	25.40	1.000	50	1725210000
14	30.48	1.200	20	1725220000
16	35.56	1.400	20	1725230000
18	40.64	1.600	20	1725240000
20	45.72	1.800	20	1725250000
22	50.80	2.000	10	1725260000
24	55.88	2.200	10	1725270000

L

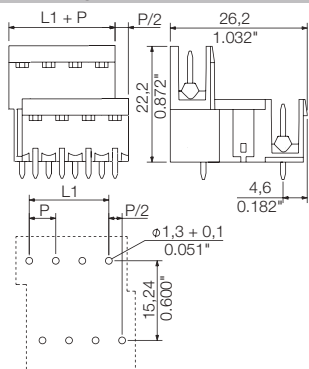
5.08

90°

SLD 5.08V/180



Dimensioned drawing



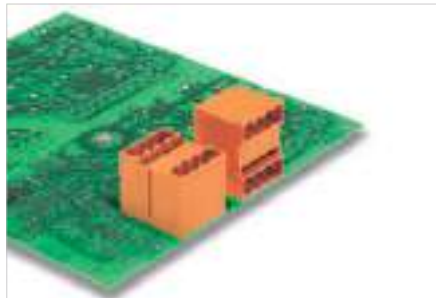
Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1725650000
6	10.16	0.400	50	1725660000
8	15.24	0.600	50	1725670000
10	20.32	0.800	50	1725680000
12	25.40	1.000	50	1725690000
14	30.48	1.200	20	1725700000
16	35.56	1.400	20	1725710000
18	40.64	1.600	20	1725720000
20	45.72	1.800	20	1725730000
22	50.80	2.000	10	1725740000
24	55.88	2.200	10	1725750000



Connectors in 5.08 mm pitch Series BL/SL 5.08

SLD 5.08../90 & 180



Double-level male header optimised for wave soldering. The connections are at the same level – with access that is flush over the front board. The male headers can be manually coded or ordered as pre-coded headers.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	11	9.5
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 11 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmuller.com

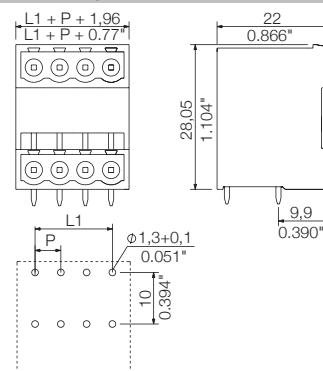
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLD 5.08../90G



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1601790000
6	10.16	0.400	50	1601800000
8	15.24	0.600	50	1601810000
10	20.32	0.800	50	1601820000
12	25.40	1.000	50	1601830000
14	30.48	1.200	20	1601840000
16	35.56	1.400	20	1601850000
18	40.64	1.600	20	1601860000
20	45.72	1.800	20	1601870000
22	50.80	2.000	10	1601880000
24	55.88	2.200	10	1601890000

L

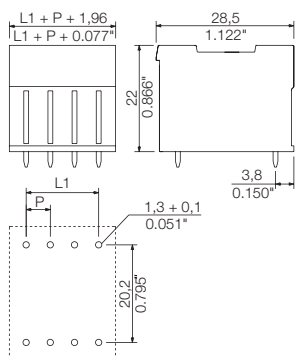
5.08

90°

SLD 5.08/.. /180G



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1602390000
6	10.16	0.400	50	1602400000
8	15.24	0.600	50	1602410000
10	20.32	0.800	50	1602420000
12	25.40	1.000	50	1602430000
14	30.48	1.200	20	1602440000
16	35.56	1.400	20	1602450000
18	40.64	1.600	20	1602460000
20	45.72	1.800	20	1602470000
22	50.80	2.000	10	1602480000
24	55.88	2.200	10	1602490000



Connectors in 5.08 mm pitch Series BL/SL 5.08

SLDF 5.08 L/F..



Feed-through male connector with optional locking function, for mounting on front plate. Internal connection as flat-blade or solder connection. All male headers can be manually coded or ordered as pre-coded headers.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	15	13	
At ambient temperature	20°C	40°C	
For conductor cross-section			
Overvoltage category	III	III	II
Pollution severity	3	2	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	-	-
CSA (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	-	-
General data			
Type of insulation material	PBT		
UL 94 flammability rating	V-0		
Contact base material	CuSn		
Material of contact surface	tinned		
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 15 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

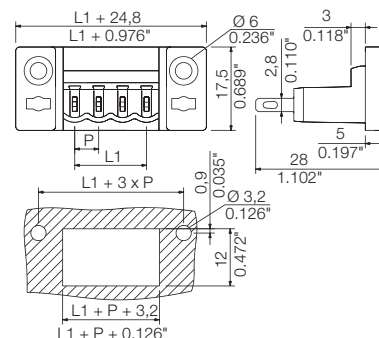
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Connectable cables with solder connection solid and flexible up to 2.5 mm² with insulating/shrink-wrap sleeve or from 2.8 mm flat blade receptacles with insulated sleeves acc. to DIN IEC 760
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLDF 5.08 L/F..



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000
Interlock	
SLDF VR BK	1599120000

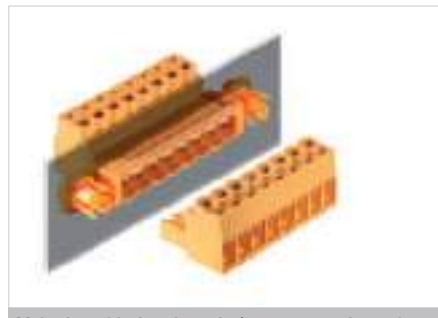
Ordering data

Solder pin length				
Colour	orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	60	1599130000
3	10.16	0.400	48	1599140000
4	15.24	0.600	42	1599150000
5	20.32	0.800	36	1599160000
6	25.40	1.000	36	1599170000
7	30.48	1.200	30	1599180000
8	35.56	1.400	30	1599190000
9	40.64	1.600	24	1599200000
10	45.72	1.800	24	1599210000
11	50.80	2.000	24	1599220000
12	55.88	2.200	18	1599230000



Connectors in 5.08 mm pitch Series BL/SL 5.08

SLS 5.08../180DF



Male plug with clamping yoke/screw connection and straight wire outlet. The male plugs feature space for labelling and can be coded. Packed in a cardboard box.

- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications as wall or device feed-through
- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications / flying lead couplings
- SLS 5.08 FI & BLL 5.08 FI for board-to-wire connections (power supply for actuators)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264-A	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	21.5	18
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)	B C D	B	C D
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	26-12	
CSA (Use Group)	B C D	B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm²
UL: 300 V / 14 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

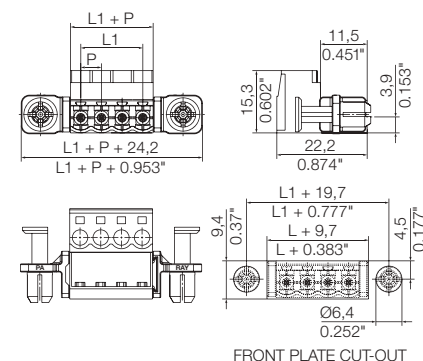
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLS 5.08../180DF



Dimensioned drawing



Accessories

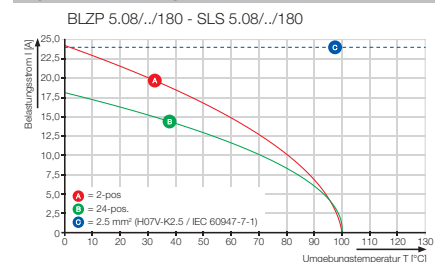
Note: Refer to the Accessories chapter for additional accessories.

Strain relief		Order No.
	BLZ 5.08 ZE04 OR BX	1652110000
	BLZ 5.08 ZE04 BK BX	1652130000
	BLZ 5.08 ZE08 OR BX	1652050000
	BLZ 5.08 ZE08 BK BX	1652070000
Coding		
	BLZ/SL KO QR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

Solder pin length				
Colour	orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	54	1353470000
3	10.16	0.400	42	1353480000
4	15.24	0.600	42	1353490000
5	20.32	0.800	36	1353500000
6	25.40	1.000	30	1353520000
7	30.48	1.200	30	1353530000
8	35.56	1.400	24	1353540000
9	40.64	1.600	24	1353550000
10	45.72	1.800	24	1353570000

Representative deratings curve

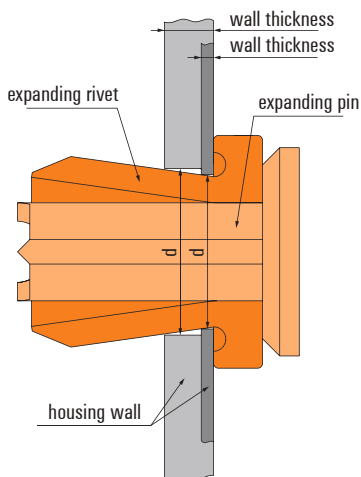


Flexibility & safety

Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or PUSH IN. It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able to respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

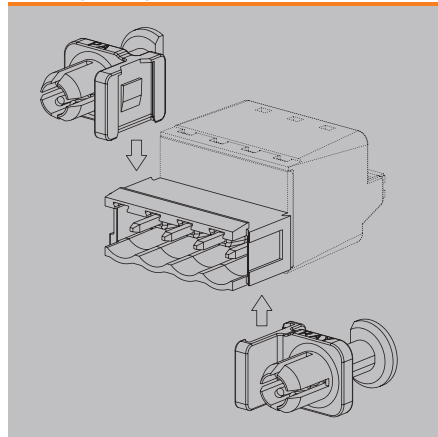
BBDF sectional drawing in the wall of the housing



hole size table

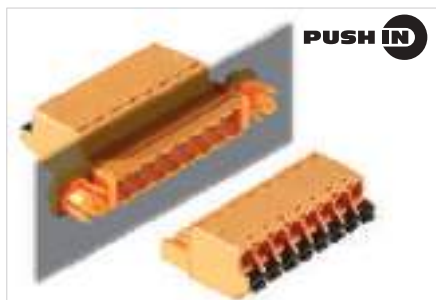
	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1.5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

assembly description



Connectors in 5.08 mm pitch Series BL/SL 5.08

SLF 5.08../180DF



PUSH IN

Male plug with PUSH IN wire connection system, with straight wire outlet. The male plugs feature space for labelling and can be coded. Packed in a cardboard box.

- SLF 5.08 DF & BLF 5.08 for wire-to-wire applications in the form of panel or device feed-through)
- SLF 5.08 F & BLF 5.08 F for wire-to-wire applications / flying lead couplings
- SLF 5.08 FI & BLL 5.08 FI for board-to-wire connections (power supply for actuators)

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
		According to norm DIN 5264	
Tightening torque range			
Rated current, max.	A	25.9	22.5
At ambient temperature	20°C	40°C	
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D			
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 25.9 A / 0.2 - 2.5 mm²
UL: 300 V / 14 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmuller.com

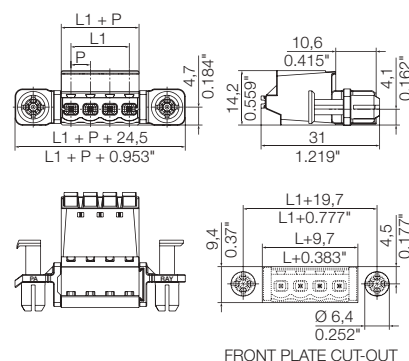
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.

SLF 5.08../180DF



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDS 0.6X3.5X100	2749340000
SDIS 0.6X3.5X100	2749810000
Wire-end ferrule	
H0,5/14S W	9004590000
H1,5/14DS SW	9025240000
H2,5/14DS BL	1333100000

Ordering data

Solder pin length				
Colour	orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	54	1353580000
3	10.16	0.400	42	1353590000
4	15.24	0.600	42	1353600000
5	20.32	0.800	36	1353620000
6	25.40	1.000	30	1353630000
7	30.48	1.200	30	1353640000
8	35.56	1.400	24	1353650000
9	40.64	1.600	24	1353670000
10	45.72	1.800	24	1353680000

L

5.08

180°

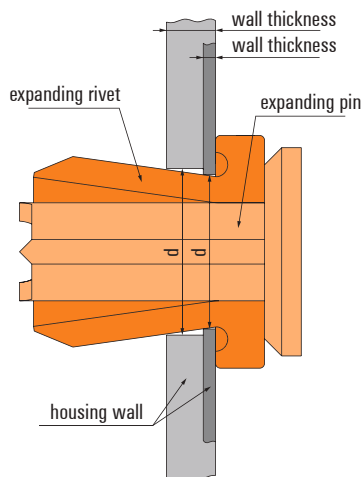
2.5 mm²

Flexibility & safety

Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or PUSH IN. It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

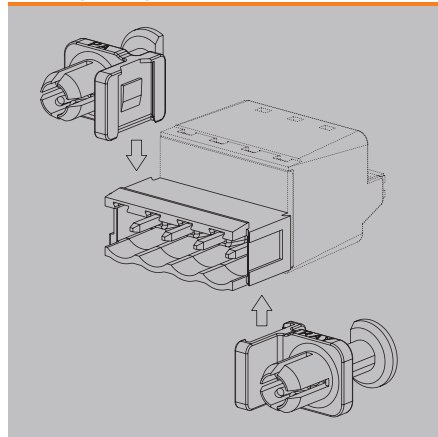
BBDF sectional drawing in the wall of the housing



hole size table

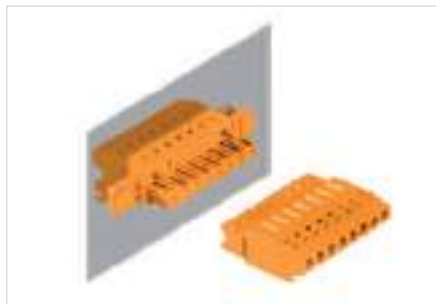
	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1.5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

assembly description



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLT 5.08../180DF



Female plug with clamping-yoke screw connection system and straight wire outlet. The female connectors provide space for labelling and can be coded. Packed in a cardboard box. HC = High Current.

- SLT 5.08 & BLT 5.08HC 180DF for wire-to-wire applications, for wall or device feed-through

Product data

IEC: 400 V / 27 A / 0.2 - 2.5 mm²
UL: 300 V / 17 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmuller.com

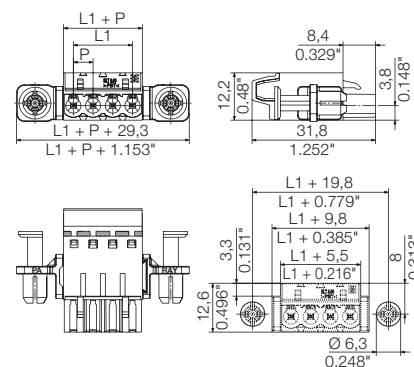
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLT 5.08../180DF



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.2...1.5	
Stripping length	mm	13	
Screwdriver blade	mm		
According to norm		DIN 5264	
Tightening torque range			
Rated current, max.	A	27	24
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	17	10
AWG conductor	AWG	26-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	15
AWG conductor	AWG	26-14	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D			
Solder eyelet Ø tolerance	mm		

Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDIS 0.6X3.5X100	2749810000
	SDS 0.6X3.5X100	2749340000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

Solder pin length				
Colour	orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	54	1353130000
3	10.16	0.400	42	1353140000
4	15.24	0.600	42	1353150000
5	20.32	0.800	36	1353170000
6	25.40	1.000	30	1353180000
7	30.48	1.200	30	1353190000
8	35.56	1.400	24	1353200000
9	40.64	1.600	24	1353220000
10	45.72	1.800	24	1353230000

L

5.08

180°

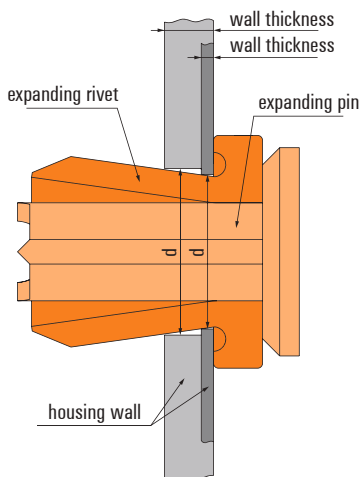
2.5 mm²

Flexibility & safety

Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or PUSH IN. It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able to respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

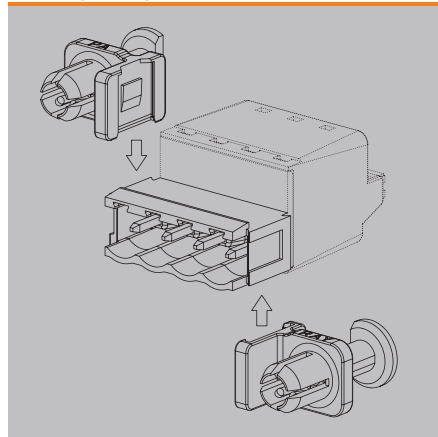
BBDF sectional drawing in the wall of the housing



hole size table

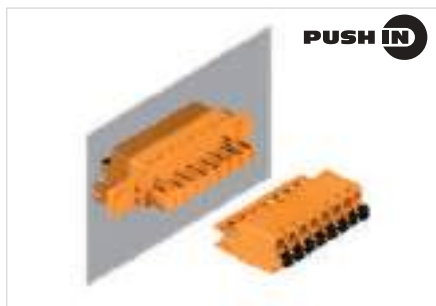
	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1.5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

assembly description



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLF 5.08../180DF



PUSH IN

Female plug with PUSH IN wire connection system and straight outlet direction. The female connectors provide space for labelling and can be coded. Packed in a cardboard box. HC = High Current.

- SLF 5.08 & BLF 5.08HC DF for wire-to-wire applications, for wall or device feed-through

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.25...2.5	
Ferrule with plastic collar	mm ²	0.25...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
		According to norm DIN 5264	
Tightening torque range			
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A		10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D			
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmuller.com

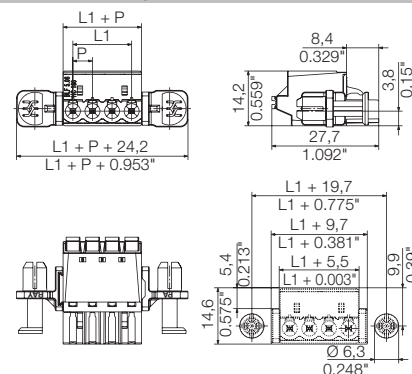
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.

BLF 5.08../180DF



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDIS 0.6X3.5X100	2749810000
SDS 0.6X3.5X100	2749340000
Wire-end ferrule	
H0,5/14S W	9004590000
H1,5/14DS SW	9025240000
H2,5/14DS BL	1333100000

Ordering data

Solder pin length				
Colour	orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	54	1353240000
3	10.16	0.400	42	1353250000
4	15.24	0.600	42	1353270000
5	20.32	0.800	36	1353280000
6	25.40	1.000	30	1353340000
7	30.48	1.200	30	1353290000
8	35.56	1.400	24	1353300000
9	40.64	1.600	24	1353320000
10	45.72	1.800	24	1353330000

L

5.08

180°

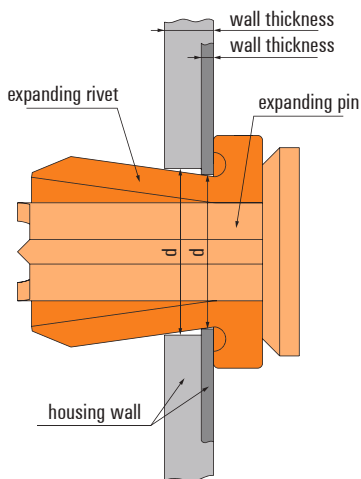
2.5 mm²

Flexibility & safety

Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or PUSH IN. It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able to respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

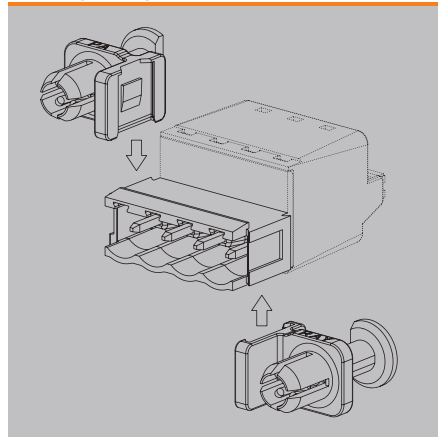
BBDF sectional drawing in the wall of the housing



hole size table

	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1,5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

assembly description



PUSH IN connection technology

PUSH IN connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanatory and enable tool-less handling. The contact element made of stainless steel ensures a vibration proofed, maintenance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.



The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to divide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

SLS 5.08../180



Male plug with clamping yoke screw connection and straight wire outlet. The male plugs provide space for labelling and can be coded. Packed in cardboard box.

- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications / flying lead couplings
- SLS 5.08 FI & BLL 5.08 FI for board-to-wire connections (power supply for actuators)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264-A	
Tightening torque range			
Rated current, max.	A	21.5	18
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating			
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm²
UL: 300 V / 14 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

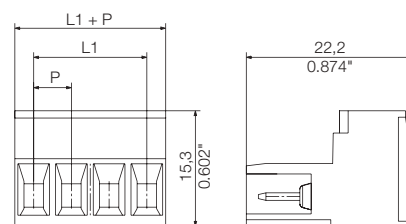
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLS 5.08../180



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Strain relief		Order No.
	BLZ 5.08 ZE04 OR BX	1652110000
	BLZ 5.08 ZE04 BK BX	1652130000
	BLZ 5.08 ZE08 OR BX	1652050000
	BLZ 5.08 ZE08 BK BX	1652070000
Coding		
	BLZ/SL KO QR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
Spacer		
	SL AT OR	1598300000
	SL AT SW	1770240000
Mounting block		
	SLA BB11R OR	1604120000
	SLA BB11R SW	1692340000

Ordering data

Solder pin length					
Colour	orange				
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	180	1627090000	
3	10.16	0.400	120	1627100000	
4	15.24	0.600	90	1627110000	
5	20.32	0.800	72	1627120000	
6	25.40	1.000	60	1627130000	
7	30.48	1.200	48	1627140000	
8	35.56	1.400	42	1627150000	
9	40.64	1.600	36	1627160000	
10	45.72	1.800	36	1627170000	
11	50.80	2.000	30	1627180000	
12	55.88	2.200	30	1627190000	

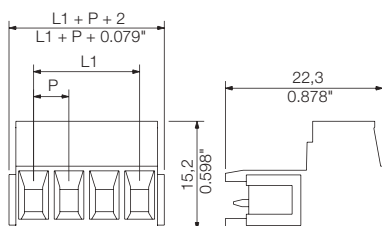
Representative deratings curve



SLS 5.08../180B



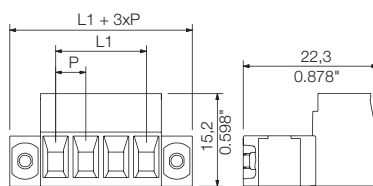
Dimensioned drawing



SLS 5.08../180F



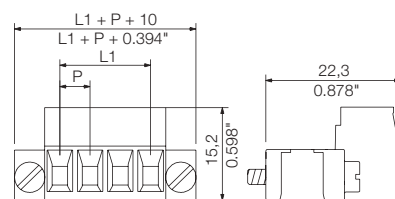
Dimensioned drawing



SLS 5.08../180FI



Dimensioned drawing



Ordering data

Solder pin length					
Colour					orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	150	1627240000	
3	10.16	0.400	108	1627250000	
4	15.24	0.600	84	1627260000	
5	20.32	0.800	66	1627270000	
6	25.40	1.000	54	1627280000	
7	30.48	1.200	48	1627290000	
8	35.56	1.400	42	1627300000	
9	40.64	1.600	36	1627310000	
10	45.72	1.800	30	1627320000	
11	50.80	2.000	30	1627330000	
12	55.88	2.200	24	1627340000	

Ordering data

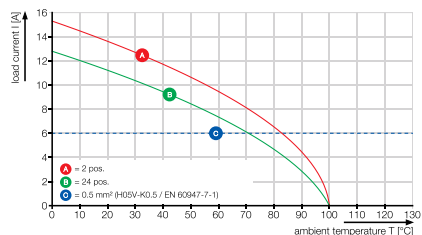
Solder pin length					
Colour					orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1846360000	
3	10.16	0.400	72	1846370000	
4	15.24	0.600	60	1846380000	
5	20.32	0.800	48	1846390000	
6	25.40	1.000	42	1846400000	
7	30.48	1.200	36	1846410000	
8	35.56	1.400	36	1846420000	
9	40.64	1.600	30	1846430000	
10	45.72	1.800	30	1846440000	
11	50.80	2.000	24	1846450000	
12	55.88	2.200	24	1846460000	

Ordering data

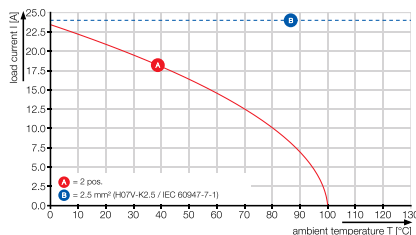
Solder pin length					
Colour					orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1846210000	
3	10.16	0.400	72	1846220000	
4	15.24	0.600	60	1846230000	
5	20.32	0.800	48	1846240000	
6	25.40	1.000	42	1846250000	
7	30.48	1.200	36	1846260000	
8	35.56	1.400	36	1846270000	
9	40.64	1.600	30	1846280000	
10	45.72	1.800	30	1846290000	
11	50.80	2.000	24	1846300000	
12	55.88	2.200	24	1846310000	

Additional deratings curves

BLZP 5.08../180 - SLS 5.08../180



BLL 5.08../180 - SLS 5.08../180



Connectors in 5.08 mm pitch Series BL/SL 5.08

SLS 5.08../180TB RF15



Male plug with clamping yoke screw connection and straight wire outlet. The male plug provides space for labelling and can be coded.

- The clip-on foot makes it easy to attach to the DIN rail (TS15).
- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications (flying lead assemblies)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5	
According to norm DIN 5264			
Tightening torque range			
Rated current, max.	A	21.5	18
At ambient temperature 20°C 40°C			
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm²
UL: 300 V / 14 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

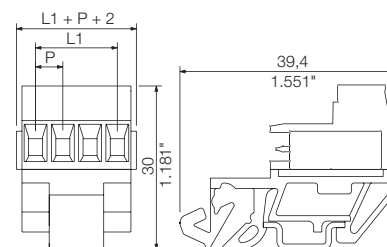
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLS 5.08../180TB RF15



Dimensioned drawing



Accessories

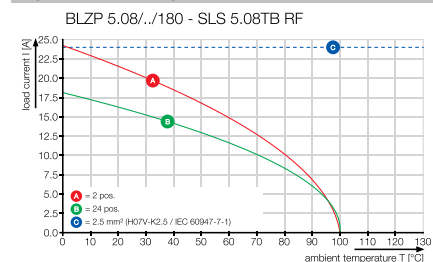
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDS 0.6X3.5X100	2749340000
SDIS 0.6X3.5X100	2749810000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000
Mounting block	
SLA BB8 RH OR	1446060000
SLA BB4 OR	1571720000

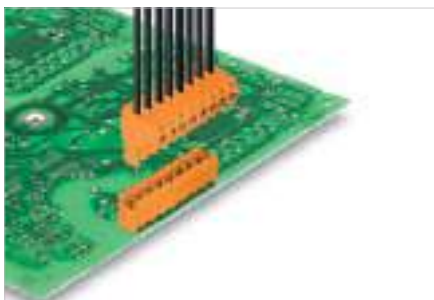
Ordering data

Solder pin length				
Colour	orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	15.24	0.600	20	1846050000
6	25.40	1.000	20	1846060000
8	35.56	1.400	10	1846070000
10	45.72	1.800	10	1846080000
12	55.88	2.200	10	1846090000

Representative deratings curve



SLS 5.08../180TB KF35



Male plug with clamping yoke screw connection and straight wire outlet. The male plug provides space for labelling and can be coded.

- The clip-on foot makes it easy to attach to the DIN rail (TS32 / TS35).
- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications (flying lead assemblies)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5	
		According to norm DIN 5264	
Tightening torque range			
Rated current, max.	A	21.5	18
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm²
UL: 300 V / 14 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmuller.com

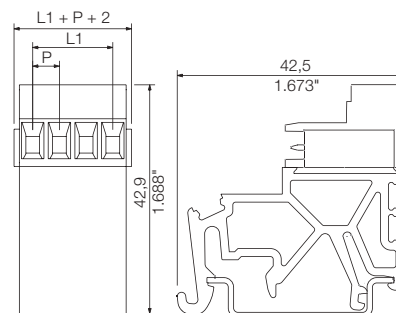
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLS 5.08../180TB KF35



Dimensioned drawing



Accessories

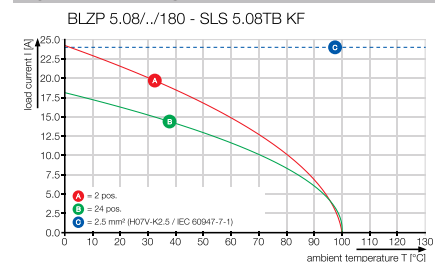
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDS 0.6X3.5X100	2749340000
SDIS 0.6X3.5X100	2749810000
Spacer	
SL AT OR	1598300000
SL AT SW	1770240000
Mounting block	
SLA BB8 RH OR	1446060000
SLA BB4 OR	1571720000

Ordering data

Solder pin length				
Colour	orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	15.24	0.600	20	1846130000
6	25.40	1.000	20	1846140000
8	35.56	1.400	10	1846150000
10	45.72	1.800	10	1846160000
12	55.88	2.200	10	1846170000

Representative deratings curve



Connectors in 5.08 mm pitch Series BL/SL 5.08

SLF 5.08



Male plug with PUSH IN wire connection system, with straight wire outlet. The male plugs feature space for labelling and can be coded. Packed in a cardboard box.

- SLF 5.08 DF & BLF 5.08 for wire-to-wire applications in the form of panel or device feed-through)
- SLF 5.08 F & BLF 5.08 F for wire-to-wire applications / flying lead couplings
- SLF 5.08 FI & BLL 5.08 FI for board-to-wire connections (power supply for actuators)

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range			
Rated current, max.	A	25.9	22.5
At ambient temperature	20°C	40°C	
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D			
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 25.9 A / 0.2 - 2.5 mm²
UL: 300 V / 14 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

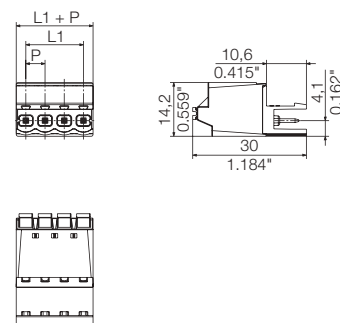
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.

SLF 5.08../180



Dimensioned drawing



Ordering data

Solder pin length				
Colour	orange			
Pitch	5.08 mm		Qty.	Order No.
Pol.	L1	(inch)		
2	5.08	0.200	180	1335330000
3	10.16	0.400	120	1335340000
4	15.24	0.600	90	1335350000
5	20.32	0.800	72	1335360000
6	25.40	1.000	60	1335370000
7	30.48	1.200	48	1335380000
8	35.56	1.400	42	1335390000
9	40.64	1.600	36	1335400000
10	45.72	1.800	36	1335410000
11	50.80	2.000	30	1335420000
12	55.88	2.200	30	1335430000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDS 0.6X3.5X100	2749340000
SDIS 0.6X3.5X100	2749810000
Wire-end ferrule	
H0,5/14S W	9004590000
H1,0/14S R	9018560000
H1,5/14DS SW	9025240000
H2,5/14DS BL	1333100000

5.08

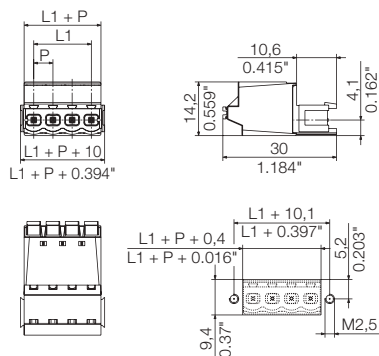
180°

2.5 mm²

SLF 5.08../180B



Dimensioned drawing



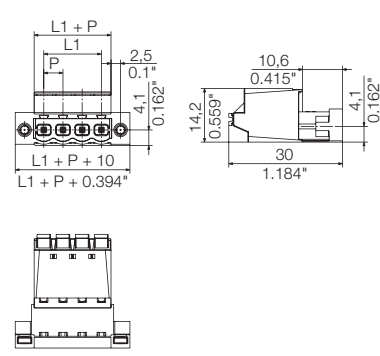
Ordering data

Solder pin length					
Colour					orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	150	1335440000	
3	10.16	0.400	108	1335450000	
4	15.24	0.600	78	1335460000	
5	20.32	0.800	66	1335470000	
6	25.40	1.000	54	1335480000	
7	30.48	1.200	48	1335490000	
8	35.56	1.400	42	1335510000	
9	40.64	1.600	36	1335520000	
10	45.72	1.800	30	1335530000	
11	50.80	2.000	30	1335540000	
12	55.88	2.200	24	1335550000	

SLF 5.08../180F



Dimensioned drawing



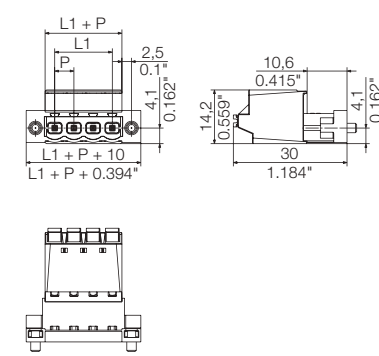
Ordering data

Solder pin length					
Colour					orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1335590000	
3	10.16	0.400	72	1335620000	
4	15.24	0.600	60	1335640000	
5	20.32	0.800	54	1335660000	
6	25.40	1.000	42	1335680000	
7	30.48	1.200	42	1335700000	
8	35.56	1.400	36	1335720000	
9	40.64	1.600	30	1335740000	
10	45.72	1.800	30	1335760000	
11	50.80	2.000	24	1335780000	
12	55.88	2.200	24	1335800000	

SLF 5.08../180FI



Dimensioned drawing



Ordering data

Solder pin length					
Colour					orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1336400000	
3	10.16	0.400	72	1336410000	
4	15.24	0.600	60	1336420000	
5	20.32	0.800	54	1336430000	
6	25.40	1.000	42	1336440000	
7	30.48	1.200	42	1336450000	
8	35.56	1.400	36	1336470000	
9	40.64	1.600	30	1336480000	
10	45.72	1.800	30	1336490000	
11	50.80	2.000	24	1336500000	
12	55.88	2.200	24	1336510000	



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLZP 5.08HC../180



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY - delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1	
According to norm			
Tightening torque range			
Rated current, max.	A	23	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	50 300
Rated current	A	20	20
AWG conductor	AWG	30-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm²
UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

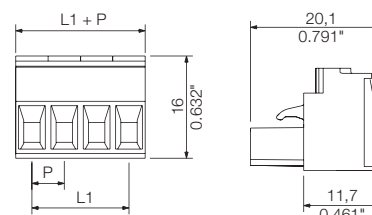
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.08HC../180






Dimensioned drawing



Accessories

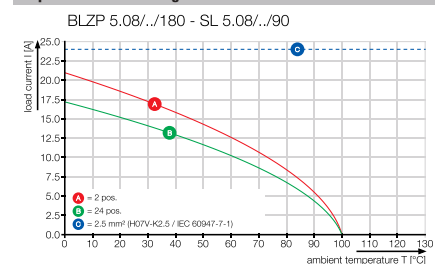
Note: Refer to the Accessories chapter for additional accessories.

Strain relief		Order No.
	BLZ 5.08 ZE04 OR BX	1652110000
	BLZ 5.08 ZE04 BK BX	1652130000
	BLZ 5.08 ZE08 OR BX	1652050000
	BLZ 5.08 ZE08 BK BX	1652070000
Coding		
	BLZ/SL KO QR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000
	SDK PH1 X 80	2749410000
	SDK PZ1 X 80	2749440000

Ordering data

Solder pin length					
Colour	orange				
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	180	1943580000	
3	10.16	0.400	120	1943590000	
4	15.24	0.600	90	1943600000	
5	20.32	0.800	72	1943610000	
6	25.40	1.000	60	1943620000	
7	30.48	1.200	48	1943630000	
8	35.56	1.400	42	1943640000	
9	40.64	1.600	36	1943650000	
10	45.72	1.800	36	1943660000	
11	50.80	2.000	30	1943670000	
12	55.88	2.200	30	1943680000	

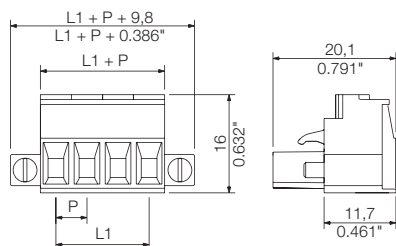
Representative deratings curve



BLZP 5.08HC/./180F



Dimensioned drawing



Ordering data

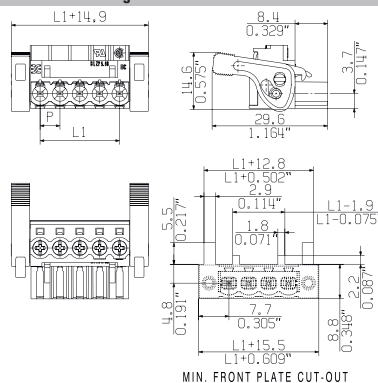
Solder pin length					
Colour		orange			
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1944090000	
3	10.16	0.400	72	1944100000	
4	15.24	0.600	60	1944110000	
5	20.32	0.800	48	1944120000	
6	25.40	1.000	42	1944130000	
7	30.48	1.200	36	1944140000	
8	35.56	1.400	36	1944150000	
9	40.64	1.600	30	1944160000	
10	45.72	1.800	30	1944170000	
11	50.80	2.000	24	1944180000	
12	55.88	2.200	24	1944190000	

BLZP 5.08HC/./180LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length					
Colour		orange			
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1944830000	
3	10.16	0.400	72	1944840000	
4	15.24	0.600	60	1944850000	
5	20.32	0.800	48	1944860000	
6	25.40	1.000	42	1944870000	
7	30.48	1.200	36	1944880000	
8	35.56	1.400	36	1944890000	
9	40.64	1.600	30	1944900000	
10	45.72	1.800	30	1944910000	
11	50.80	2.000	24	1944920000	
12	55.88	2.200	24	1944930000	

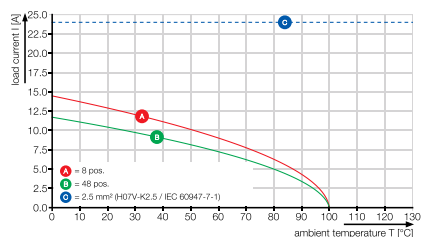
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.

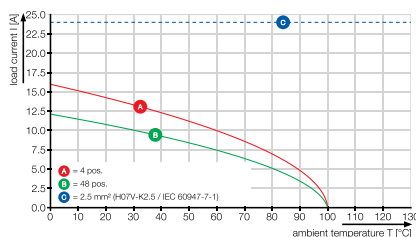


Additional deratings curves

BLZP 5.08/./180 - SLDV-THR 5.08/./180

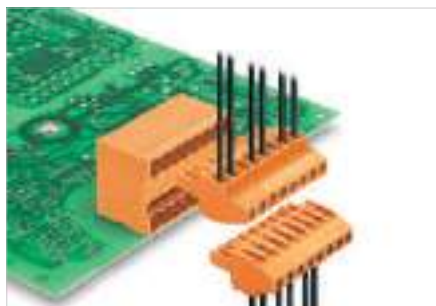


BLZP 5.08/./180 - SLD 5.08/./180G



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLZP 5.08HC../90



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY - delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm ²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1	
According to norm			
Tightening torque range			
Rated current, max.	A	23	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	50 300
Rated current	A	20	20
AWG conductor	AWG	30-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D			
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm²
UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

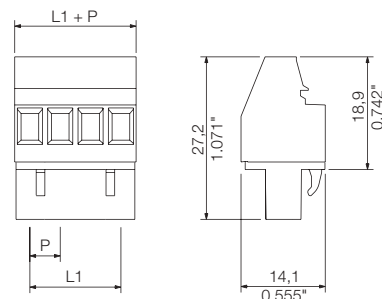
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.08HC../90



Dimensioned drawing



Accessories

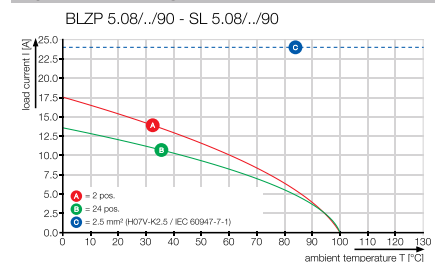
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDS 0.6X3.5X100	2749340000
SDIS 0.6X3.5X100	2749810000
SDK PH1 X 80	2749410000
SDK PZ1 X 80	2749440000

Ordering data

Solder pin length				
Colour	orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1948000000
3	10.16	0.400	120	1948010000
4	15.24	0.600	90	1948020000
5	20.32	0.800	72	1948030000
6	25.40	1.000	60	1948040000
7	30.48	1.200	48	1948050000
8	35.56	1.400	42	1948060000
9	40.64	1.600	36	1948070000
10	45.72	1.800	36	1948080000
11	50.80	2.000	30	1948100000
12	55.88	2.200	30	1948110000

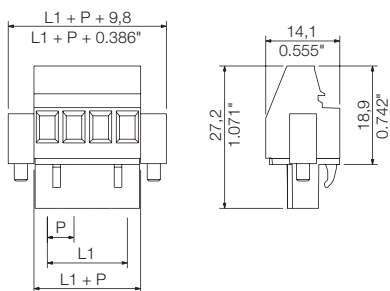
Representative deratings curve



BLZP 5.08HC../90F



Dimensioned drawing



Ordering data

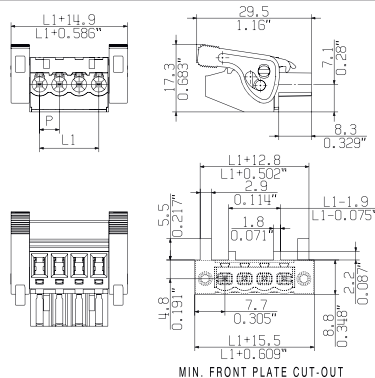
Solder pin length					
Colour		orange			
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1949800000	
3	10.16	0.400	72	1949810000	
4	15.24	0.600	60	1949820000	
5	20.32	0.800	48	1949830000	
6	25.40	1.000	42	1949840000	
7	30.48	1.200	36	1949850000	
8	35.56	1.400	36	1949860000	
9	40.64	1.600	30	1949870000	
10	45.72	1.800	30	1949880000	
11	50.80	2.000	24	1949890000	
12	55.88	2.200	24	1949900000	

BLZP 5.08HC../90LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length					
Colour		orange			
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1087250000	
3	10.16	0.400	72	1087260000	
4	15.24	0.600	60	1087270000	
5	20.32	0.800	48	1087280000	
6	25.40	1.000	42	1087290000	
7	30.48	1.200	36	1087300000	
8	35.56	1.400	36	1087310000	
9	40.64	1.600	30	1087320000	
10	45.72	1.800	30	1087330000	
11	50.80	2.000	24	1087340000	
12	55.88	2.200	24	1087350000	

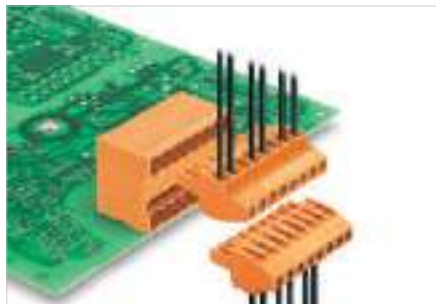
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLZP 5.08HC../270



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY - delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm ²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1	
According to norm			
Tightening torque range			
Rated current, max.	A	23	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	50 300
Rated current	A	20	20
AWG conductor	AWG	30-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D			
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm²
UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

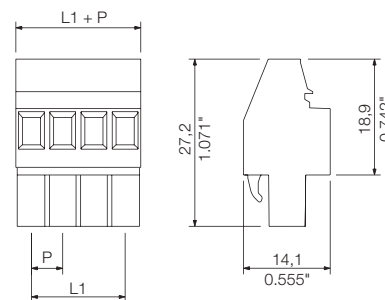
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.08HC../270



Dimensioned drawing



Accessories

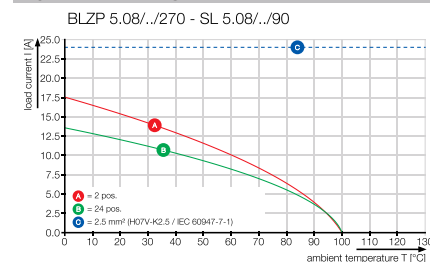
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDS 0.6X3.5X100	2749340000
SDIS 0.6X3.5X100	2749810000
SDK PH1 X 80	2749410000
SDK PZ1 X 80	2749440000

Ordering data

Solder pin length					
Colour	orange				
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	180	1948790000	
3	10.16	0.400	120	1948800000	
4	15.24	0.600	90	1948810000	
5	20.32	0.800	72	1948820000	
6	25.40	1.000	60	1948830000	
7	30.48	1.200	48	1948840000	
8	35.56	1.400	42	1948850000	
9	40.64	1.600	36	1948860000	
10	45.72	1.800	36	1948870000	
11	50.80	2.000	30	1948880000	
12	55.88	2.200	30	1948890000	

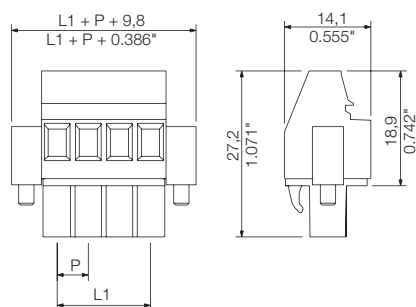
Representative deratings curve



BLZP 5.08HC../270F



Dimensioned drawing



Ordering data

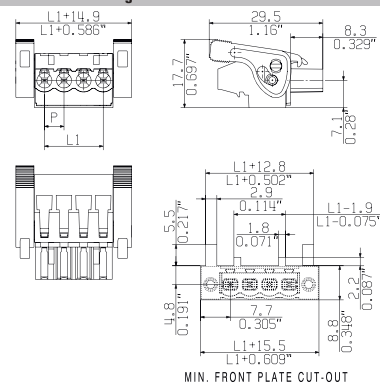
Solder pin length					
Colour					orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1950310000	
3	10.16	0.400	72	1950320000	
4	15.24	0.600	60	1950330000	
5	20.32	0.800	48	1950340000	
6	25.40	1.000	42	1950350000	
7	30.48	1.200	36	1950360000	
8	35.56	1.400	36	1950370000	
9	40.64	1.600	30	1950380000	
10	45.72	1.800	30	1950390000	
11	50.80	2.000	24	1950400000	
12	55.88	2.200	24	1950410000	

BLZP 5.08HC../270LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length					
Colour					orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1947530000	
3	10.16	0.400	72	1947540000	
4	15.24	0.600	60	1947550000	
5	20.32	0.800	48	1947560000	
6	25.40	1.000	42	1947570000	
7	30.48	1.200	36	1947580000	
8	35.56	1.400	36	1947590000	
9	40.64	1.600	30	1947600000	
10	45.72	1.800	30	1947610000	
11	50.80	2.000	24	1947620000	
12	55.88	2.200	24	1947630000	

The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLZP 5.08HC../225



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY - delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm ²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5, PH 1, PZ 1	
According to norm			
Tightening torque range			
Rated current, max.	A	17.5	14
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	50 300
Rated current	A	15	15
AWG conductor	AWG	30-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 17.5 A / 0.2 - 4 mm²
UL: 300 V / 15 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

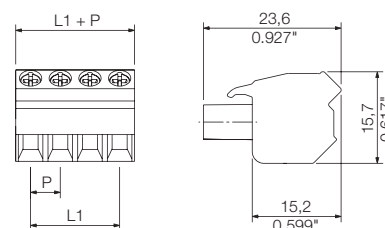
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.08HC../225



Dimensioned drawing



Ordering data

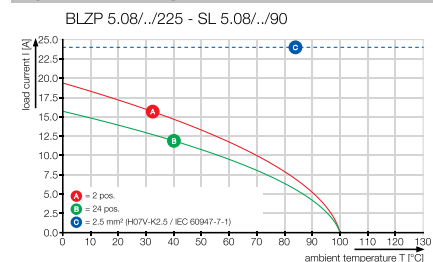
Solder pin length				
Colour	orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1946250000
3	10.16	0.400	120	1946260000
4	15.24	0.600	90	1946270000
5	20.32	0.800	72	1946280000
6	25.40	1.000	60	1946290000
7	30.48	1.200	48	1946300000
8	35.56	1.400	42	1946310000
9	40.64	1.600	36	1946320000
10	45.72	1.800	36	1946330000
11	50.80	2.000	30	1946340000
12	55.88	2.200	30	1946350000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDS 0.6X3.5X100	2749340000
SDIS 0.6X3.5X100	2749810000
SDK PH1 X 80	2749410000
SDK PZ1 X 80	2749440000

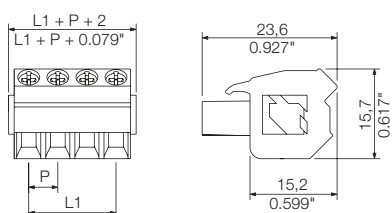
Representative deratings curve



BLZP 5.08HC../225B



Dimensioned drawing



Ordering data

Solder pin length				
Colour				orange
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	150	1945750000
3	10.16	0.400	108	1945760000
4	15.24	0.600	78	1945770000
5	20.32	0.800	66	1945780000
6	25.40	1.000	54	1945790000
7	30.48	1.200	48	1945800000
8	35.56	1.400	42	1945810000
9	40.64	1.600	36	1945820000
10	45.72	1.800	30	1945830000
11	50.80	2.000	30	1945840000
12	55.88	2.200	24	1945850000

The 2-in-1 contact

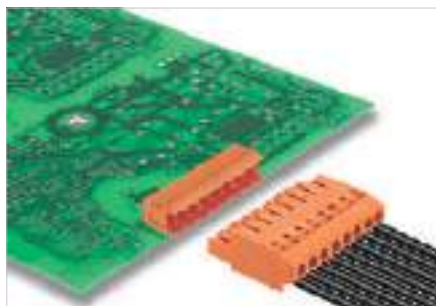
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.

Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it 's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLT 5.08HC../180



The BLT is currently the most compact TOP connection of its type available in 5.08 mm pitch.

- The BLT's "pull effect" ensures that the connected wire is pulled in to the clamping point.
- The extra flat shape allows for dense component assembly.
- The specialist for cramped installations
- The screw connect and the cable entry are located on the same side of the connector.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.2...1.5	
Stripping length	mm	13	
Screwdriver blade	mm	0.6 x 3.5	
		According to norm DIN 5264	
Tightening torque range			
Rated current, max.	A	27	24
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	17	10
AWG conductor	AWG	26-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	15
AWG conductor	AWG	26-14	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 27 A / 0.2 - 2.5 mm²
UL: 300 V / 17 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmuller.com

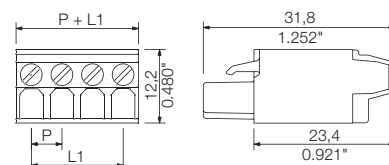
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLT 5.08HC../180



Dimensioned drawing



Accessories

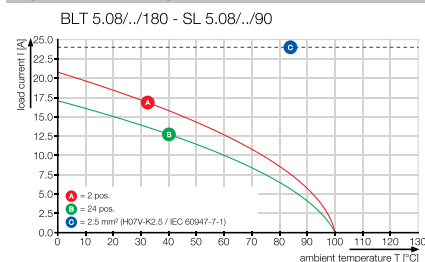
Note: Refer to the Accessories chapter for additional accessories.

Strain relief		Order No.
	BLAT ZE04 OR BX	1577980000
	BLAT ZE08 OR BX	1578010000
Coding		
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length				
Colour	orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1499560000
3	10.16	0.400	120	1499660000
4	15.24	0.600	90	1499760000
5	20.32	0.800	72	1499860000
6	25.40	1.000	60	1499960000
7	30.48	1.200	48	1500060000
8	35.56	1.400	42	1500160000
9	40.64	1.600	36	1500260000
10	45.72	1.800	36	1500360000
11	50.80	2.000	30	1500460000
12	55.88	2.200	30	1500560000

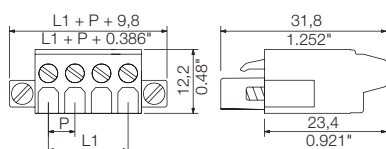
Representative deratings curve



BLT 5.08HC../180F



Dimensioned drawing



Ordering data

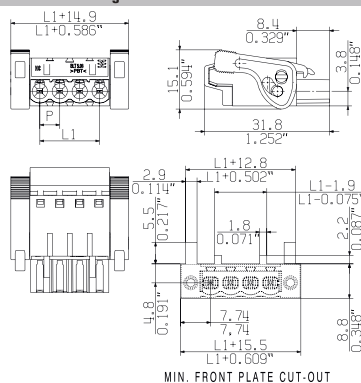
Solder pin length					
Colour		orange			
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1843990000	
3	10.16	0.400	72	1844000000	
4	15.24	0.600	60	1844010000	
5	20.32	0.800	48	1844020000	
6	25.40	1.000	42	1844030000	
7	30.48	1.200	36	1844040000	
8	35.56	1.400	36	1844050000	
9	40.64	1.600	30	1844060000	
10	45.72	1.800	30	1844070000	
11	50.80	2.000	24	1844080000	
12	55.88	2.200	24	1844090000	

BLT 5.08HC../180LR

with release bar



Dimensioned drawing



Ordering data

Solder pin length					
Colour		orange			
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1890220000	
3	10.16	0.400	72	1890230000	
4	15.24	0.600	60	1890240000	
5	20.32	0.800	48	1890250000	
6	25.40	1.000	42	1890260000	
7	30.48	1.200	36	1890270000	
8	35.56	1.400	36	1890280000	
9	40.64	1.600	30	1890290000	
10	45.72	1.800	30	1890300000	
11	50.80	2.000	24	1890310000	
12	55.88	2.200	24	1890320000	

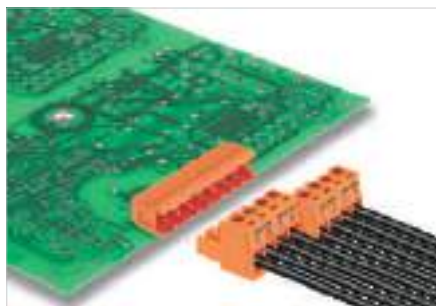
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLZ 5.08/./180 QV2



Female plug with clamping yoke screw connection and internal cross-connections for the 1-2 & 3-4 wire connections; with straight wire outlet.

- Bus signals of up to 32 A can be safely looped through
- This permits an interruption-free decoupling of individual modules from the network
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The cross-connections are clearly marked

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...4
Solid core H05(07) V-U	mm²	0.2...2.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...4
Flexible with ferrule	mm ²	0.2...2.5
Ferrule with plastic collar	mm ²	0.2...2.5
Stripping length	mm	7
Screwdriver blade	mm	0.6 x 3.5
According to norm		DIN 5264

Tightening torque range

Rated current, max.		17.5	15
At ambient temperature		20°C	40°C

For conductor cross-section	mm ²	2.5
Overvoltage category		III III II
Pollution severity		3 2 2

Rated voltage V **250 320 400**

Rated impulse voltage kV 4 4 4

UL / CUL (Use Group) B C D

Rated voltage V **300 300**

Rated current A **15 10**

AWG conductor AWG **30-12**

CSA (Use Group) B C D

Rated voltage V 300 300

Rated current A 15 10

AWG conductor AWG 30-12

General data

Type of insulation material		PBT
UL 94 flammability rating		V-0
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Product data

IEC: 400 V / 17.5 A / 0.2 - 4 mm²

UL: 300 V / 15 A / AWG 30 - 12



For additional articles and information, refer to catalog.weidmueller.com

Note:

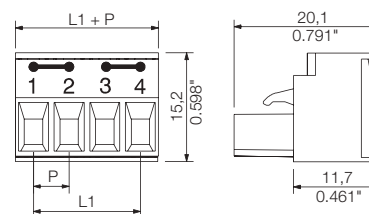
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZ 5.08/./180 QV2

with cross-connection



Dimensioned drawing



Accessories

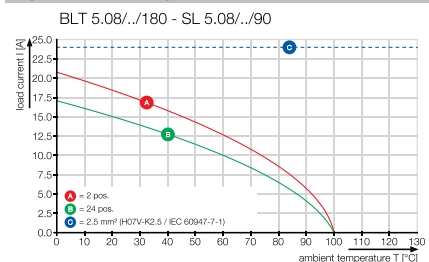
Note: Refer to the Accessories chapter for additional accessories.

Strain relief		Order No.
	BLZ 5.08 ZE04 OR BX	1652110000
	BLZ 5.08 ZE04 BK BX	1652130000
	BLZ 5.08 ZE08 OR BX	1652050000
	BLZ 5.08 ZE08 BK BX	1652070000
Coding		
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	2749340000
	SDIS 0.6X3.5X100	2749810000

Ordering data

Solder pin length				
Colour	orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	15.24	0.600	90	1839770000

Representative deratings curve

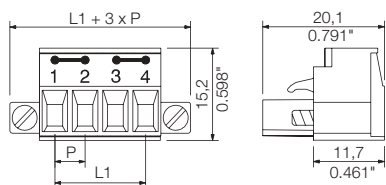


BLZ 5.08/./180F QV2

with cross-connection



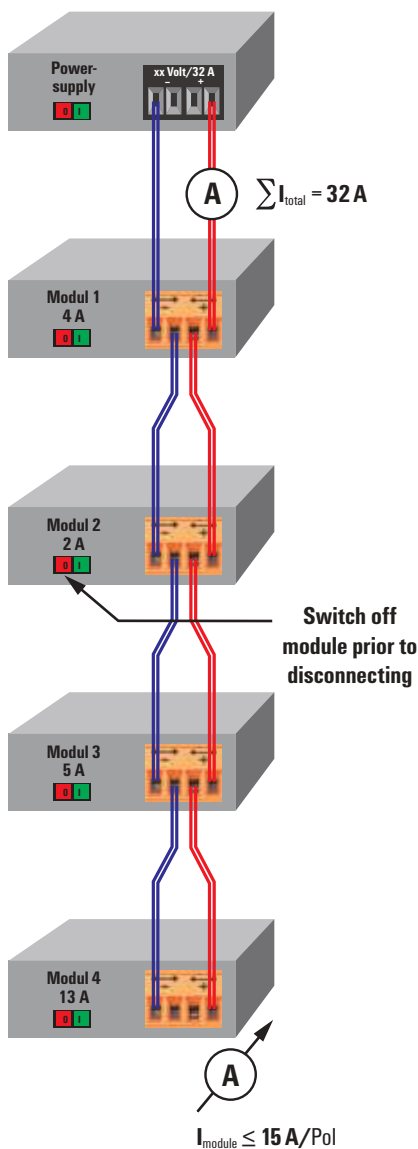
Dimensioned drawing



Ordering data

Solder pin length					
Colour					orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
4	15.24	0.600	60	1846870000	

Examples of applications



32 A maximum bus current
15 A maximum module current

The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to divide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLF 5.08HC../180



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling - since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.25...2.5	
Ferrule with plastic collar	mm ²	0.25...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
		According to norm DIN 5264	
Tightening torque range			
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A		10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

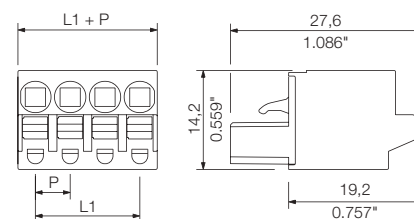
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.

BLF 5.08HC../180



Dimensioned drawing



Accessories

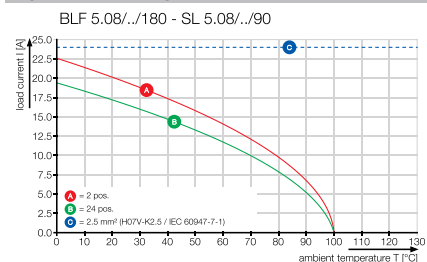
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDS 0.6X3.5X100	2749340000
SDIS 0.6X3.5X100	2749810000
Wire-end ferrule	
H0,5/14S W	9004590000
H1,0/14S R	9018560000
H1,5/14DS SW	9025240000
H2,5/14DS BL	1333100000

Ordering data

Solder pin length				
Colour	orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1013680000
3	10.16	0.400	120	1013690000
4	15.24	0.600	90	1013710000
5	20.32	0.800	72	1013720000
6	25.40	1.000	60	1013730000
7	30.48	1.200	48	1013740000
8	35.56	1.400	42	1013750000
9	40.64	1.600	36	1013760000
10	45.72	1.800	36	1013770000
11	50.80	2.000	30	1013780000
12	55.88	2.200	30	1013790000

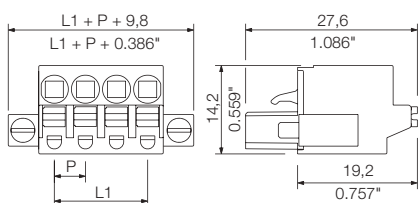
Representative deratings curve



BLF 5.08HC../180F



Dimensioned drawing



Ordering data

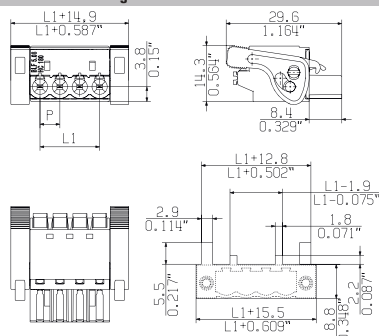
Solder pin length					
Colour					orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1013070000	
3	10.16	0.400	72	1013090000	
4	15.24	0.600	60	1013110000	
5	20.32	0.800	48	1013120000	
6	25.40	1.000	42	1013130000	
7	30.48	1.200	36	1013140000	
8	35.56	1.400	36	1013150000	
9	40.64	1.600	30	1013160000	
10	45.72	1.800	30	1013170000	
11	50.80	2.000	24	1013180000	
12	55.88	2.200	24	1013190000	

BLF 5.08HC../180LR

with release latch



Dimensioned drawing



MIN. FRONT PLATE CUT-OUT

Ordering data

Solder pin length					
Colour					orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1014370000	
3	10.16	0.400	72	1014380000	
4	15.24	0.600	60	1014390000	
5	20.32	0.800	48	1014410000	
6	25.40	1.000	42	1014420000	
7	30.48	1.200	36	1014430000	
8	35.56	1.400	36	1014440000	
9	40.64	1.600	30	1014450000	
10	45.72	1.800	30	1014460000	
11	50.80	2.000	24	1014470000	
12	55.88	2.200	24	1014480000	

PUSH IN connection technology

PUSH IN connection technology reduces the wiring efforts especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanatory and enable tool-less handling. The contact element made of stainless steel ensures a vibration proof, maintenance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.



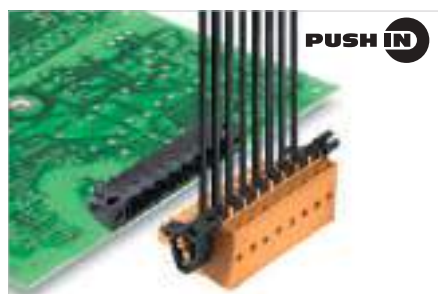
The 2-in-1 contact

Every pluggable connector covers two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to divide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLF 5.08HC../90



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling - since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.25...2.5	
Ferrule with plastic collar	mm ²	0.25...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
		According to norm DIN 5264	
Tightening torque range			
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	12-26	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

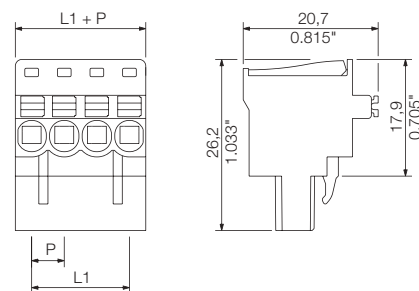
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.

BLF 5.08HC../90



Dimensioned drawing



Accessories

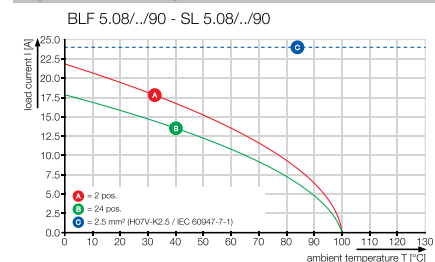
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDS 0.6X3.5X100	2749340000
SDIS 0.6X3.5X100	2749810000
Wire-end ferrule	
H0,5/14S W	9004590000
H1,0/14S R	9018560000
H1,5/14DS SW	9025240000
H2,5/14DS BL	1333100000

Ordering data

Solder pin length				
Colour	orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1001530000
3	10.16	0.400	120	1001540000
4	15.24	0.600	90	1001550000
5	20.32	0.800	72	1001560000
6	25.40	1.000	60	1001570000
7	30.48	1.200	48	1001580000
8	35.56	1.400	42	1001590000
9	40.64	1.600	36	1001600000
10	45.72	1.800	36	1001610000
11	50.80	2.000	30	1001620000
12	55.88	2.200	30	1001630000

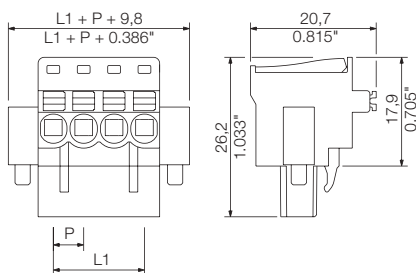
Representative deratings curve



BLF 5.08HC/./90F



Dimensioned drawing



Ordering data

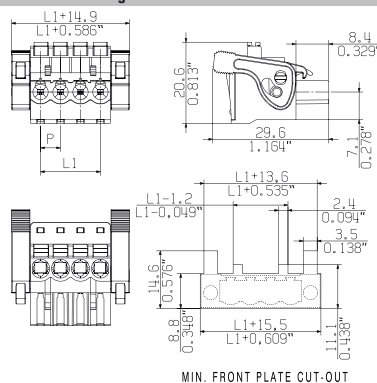
Solder pin length					
Colour		orange			
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1002090000	
3	10.16	0.400	72	1002100000	
4	15.24	0.600	60	1002110000	
5	20.32	0.800	48	1002120000	
6	25.40	1.000	42	1002130000	
7	30.48	1.200	36	1002140000	
8	35.56	1.400	36	1002150000	
9	40.64	1.600	30	1002160000	
10	45.72	1.800	30	1002170000	
11	50.80	2.000	24	1002180000	
12	55.88	2.200	24	1002190000	

BLF 5.08HC/./90LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length					
Colour		orange			
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1002280000	
3	10.16	0.400	72	1002290000	
4	15.24	0.600	60	1002300000	
5	20.32	0.800	48	1002310000	
6	25.40	1.000	42	1002320000	
7	30.48	1.200	36	1002330000	
8	35.56	1.400	36	1002340000	
9	40.64	1.600	30	1002350000	
10	45.72	1.800	30	1002360000	
11	50.80	2.000	24	1002370000	
12	55.88	2.200	24	1002380000	

PUSH IN connection technology

PUSH IN connection technology reduces the wiring efforts especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanatory and enable tool-less handling. The contact element made of stainless steel ensures a vibration proof, maintenance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.



The 2-in-1 contact

Every pluggable connector covers two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to divide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLF 5.08HC/./270



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling - since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.25...2.5	
Ferrule with plastic collar	mm ²	0.25...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
		According to norm DIN 5264	
Tightening torque range			
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	12-26	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

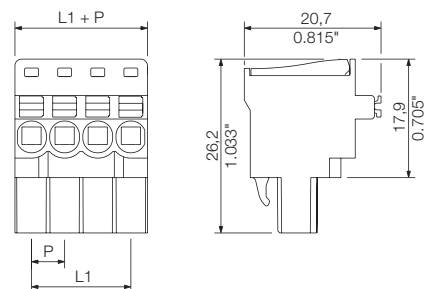
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.

BLF 5.08HC/./270



Dimensioned drawing



Accessories

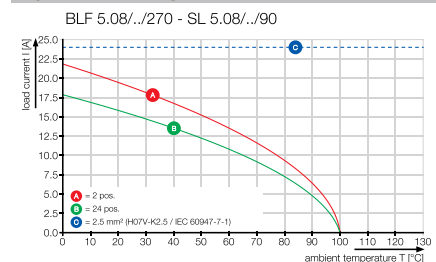
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDS 0.6X3.5X100	2749340000
SDIS 0.6X3.5X100	2749810000
Wire-end ferrule	
H0,5/14S W	9004590000
H1,0/14S R	9018560000
H1,5/14DS SW	9025240000
H2,5/14DS BL	1333100000

Ordering data

Solder pin length					
Colour	orange				
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	180	1982700000	
3	10.16	0.400	120	1982710000	
4	15.24	0.600	90	1982720000	
5	20.32	0.800	72	1982730000	
6	25.40	1.000	60	1982740000	
7	30.48	1.200	48	1982750000	
8	35.56	1.400	42	1982760000	
9	40.64	1.600	36	1982770000	
10	45.72	1.800	36	1982780000	
11	50.80	2.000	30	1982790000	
12	55.88	2.200	30	1982800000	

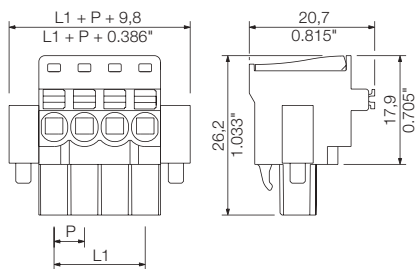
Representative deratings curve



BLF 5.08HC../270F



Dimensioned drawing



Ordering data

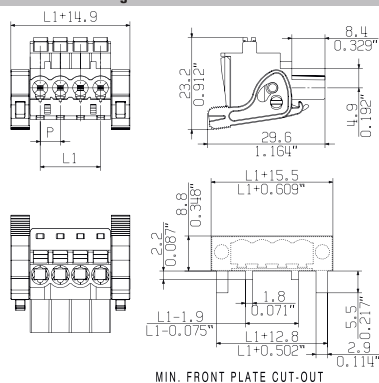
Solder pin length					
Colour					orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1982890000	
3	10.16	0.400	72	1982900000	
4	15.24	0.600	60	1982910000	
5	20.32	0.800	48	1982920000	
6	25.40	1.000	42	1982930000	
7	30.48	1.200	36	1982940000	
8	35.56	1.400	36	1982950000	
9	40.64	1.600	30	1982960000	
10	45.72	1.800	30	1982970000	
11	50.80	2.000	24	1982980000	
12	55.88	2.200	24	1982990000	

BLF 5.08HC../270LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length					
Colour					orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	90	1983080000	
3	10.16	0.400	72	1983090000	
4	15.24	0.600	60	1983100000	
5	20.32	0.800	48	1983110000	
6	25.40	1.000	42	1983120000	
7	30.48	1.200	36	1983130000	
8	35.56	1.400	36	1983140000	
9	40.64	1.600	30	1983150000	
10	45.72	1.800	30	1983160000	
11	50.80	2.000	24	1983170000	
12	55.88	2.200	24	1983180000	

PUSH IN connection technology

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The 2-in-1 contact

Every pluggable connector covers two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to divide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLDF 5.08/./180



PUSH IN

Bus connector with two connections per pole with the time-saving PUSH IN connection system.

- The extremely short cross-connection allows you to safely loop through bus currents of up to 22 A.
- This permits an interruption-free decoupling of individual modules from the network.
- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- An actuator must be used when connecting stranded wires with ferrules.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.25...2.5	
Ferrule with plastic collar	mm ²	0.25...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
		According to norm DIN 5264	
Tightening torque range			
Rated current, max.	A	20.8	17.9
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	12-26	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	12-26	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D			
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 20.8 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 12 - 26



For additional articles and information, refer to catalog.weidmuller.com

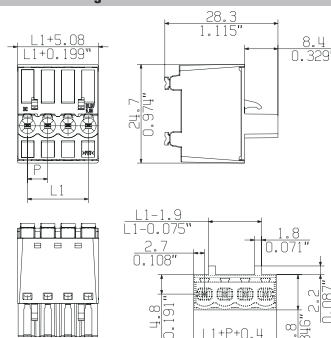
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.

BLDF 5.08/./180



Dimensioned drawing



Ordering data

Solder pin length				
Colour	orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	120	1001150000
3	10.16	0.400	80	1001160000
4	15.24	0.600	60	1001170000
5	20.32	0.800	48	1001180000
6	25.40	1.000	40	1001190000
7	30.48	1.200	32	1001200000
8	35.56	1.400	28	1001210000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Screwdriver	
SDS 0.6X3.5X100	2749340000
SDIS 0.6X3.5X100	2749810000
Wire-end ferrule	
H0,5/14S W	9004590000
H1,0/14S R	9018560000
H1,5/14DS SW	9025240000
H2,5/14DS BL	1333100000

L

5.08

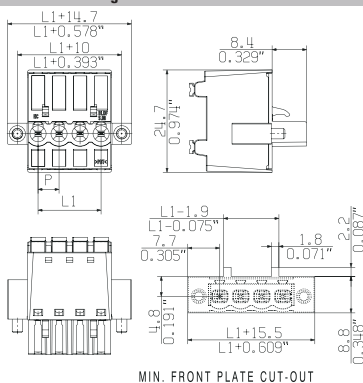
180°

2.5 mm²

BLDF 5.08../180F



Dimensioned drawing



Ordering data

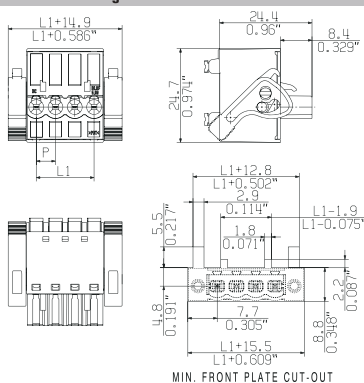
Solder pin length					
Colour					orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	60	1001220000	
3	10.16	0.400	48	1012060000	
4	15.24	0.600	40	1059420000	
5	20.32	0.800	32	1065080000	
6	25.40	1.000	28	1065090000	
7	30.48	1.200	24	1065110000	
8	35.56	1.400	24	1065120000	

BLDF 5.08../180LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length					
Colour					orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	60	1065130000	
3	10.16	0.400	48	1065140000	
4	15.24	0.600	40	1065150000	
5	20.32	0.800	32	1065160000	
6	25.40	1.000	28	1065170000	
7	30.48	1.200	24	1065180000	
8	35.56	1.400	24	1065190000	

PUSH IN connection technology

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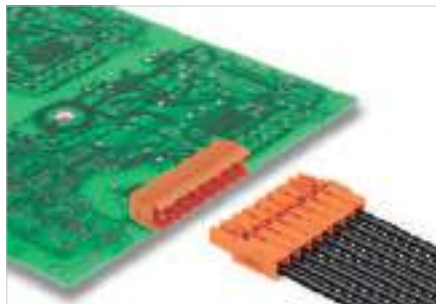
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to divide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLC 5.08../180



The female plugs with crimp connection can be used for automatically pre-assembled cable harnesses. This results in significant cost savings.

- The contacts are optimised for crimping machines (factory wiring).
- Contacts can also be connected with manual tools (field wiring).
- High component density because of very low height
- Large wire clamping range: 0.22-2.5 mm²
- Contacts can be delivered loose in bulk, or in tape-packaged strips.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.22...2.5	
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...2.5	
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length	mm	5	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	21	18
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-14	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		PBT GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 21 A
UL: 300 V / 10 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

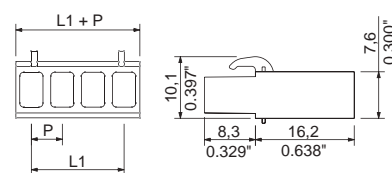
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated cross-section depends on crimp contact used.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLC 5.08../180R



Dimensioned drawing



Accessories

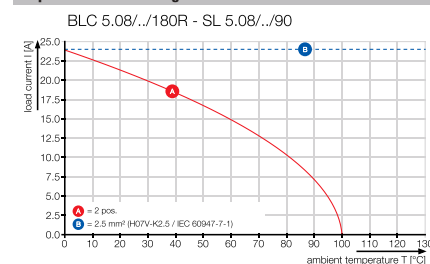
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
DFFC 0.22-0.35 SN 3000	1604230000
DFFC 0.22-0.35 SN E	1604250000
DFFC 0.5-1.0 SN 3000	1480000000
DFFC 0.5-1.0 SN E	1567060000
DFFC 1.5-2.5 SN 2500	1480100000
DFFC 1.5-2.5 SN E	1567070000
Pressing tool	
HTF DFF	9014140000

Ordering data

Solder pin length					
Colour	orange				
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	100	1610490000	
3	10.16	0.400	100	1610500000	
4	15.24	0.600	100	1610510000	
5	20.32	0.800	50	1610520000	
6	25.40	1.000	50	1610530000	
7	30.48	1.200	50	1610540000	
8	35.56	1.400	50	1610550000	
9	40.64	1.600	50	1610560000	
10	45.72	1.800	50	1610570000	
11	50.80	2.000	50	1610580000	
12	55.88	2.200	50	1610590000	

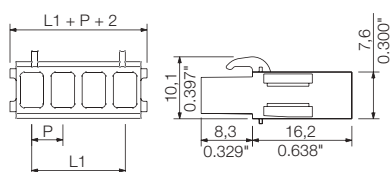
Representative deratings curve



BLC 5.08/.../180BR



Dimensioned drawing

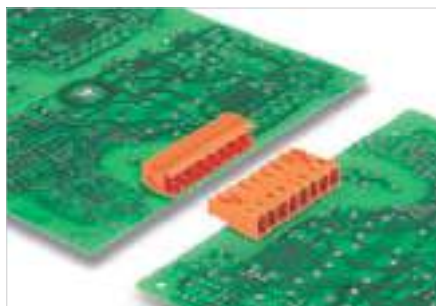


Ordering data

Solder pin length				
Colour		orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1649370000
3	10.16	0.400	100	1649380000
4	15.24	0.600	100	1649390000
5	20.32	0.800	50	1649400000
6	25.40	1.000	50	1649410000
7	30.48	1.200	50	1649420000
8	35.56	1.400	50	1649430000
9	40.64	1.600	50	1649440000
10	45.72	1.800	50	1649450000
11	50.80	2.000	50	1649460000
12	55.88	2.200	50	1649470000

Connectors in 5.08 mm pitch Series BL/SL 5.08

BLL 5.08/./90



Female headers for mounting on the circuit board; with 90° wire outlet, optimised for the wave soldering process.

- BLL 5.08 & SL 5.08 for board-to-board connections (e.g., backplanes)
- BLL 5.08 & SLS / SLT 5.08 for board-to-wire applications (e.g., power supply for actuators)
- Available with a screw flange (F).

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	23	20
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		-
General data			
Type of insulation material		PBT GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.4 x 1.00	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 23 A
UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmuller.com

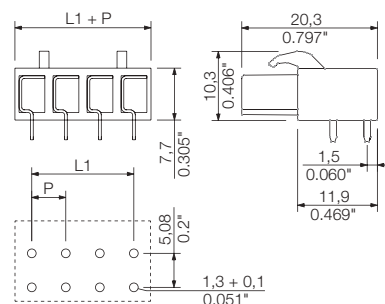
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLL 5.08/./90



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
Mounting block	
SLA BB11R OR	1604120000
SLA BB11R SW	1692340000

Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1622940000
3	10.16	0.400	120	1622950000
4	15.24	0.600	90	1622960000
5	20.32	0.800	72	1622970000
6	25.40	1.000	60	1622980000
7	30.48	1.200	48	1622990000
8	35.56	1.400	42	1623000000
9	40.64	1.600	36	1623010000
10	45.72	1.800	36	1623020000
11	50.80	2.000	30	1623030000
12	55.88	2.200	30	1623040000

L

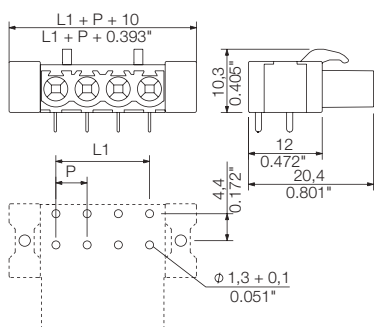
5.08

90°

BLL 5.08/./90FI



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	90 1843750000
3	10.16	0.400	72 1843760000
4	15.24	0.600	60 1843770000
5	20.32	0.800	48 1843780000
6	25.40	1.000	42 1843790000
7	30.48	1.200	36 1843800000
8	35.56	1.400	36 1843810000
9	40.64	1.600	30 1843820000
10	45.72	1.800	30 1843830000
11	50.80	2.000	24 1843840000
12	55.88	2.200	24 1843850000



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLL 5.08/./180



Female headers for mounting on the circuit board; with straight wire outlet, optimised for the wave soldering process.

- BLL 5.08 & SL 5.08 for board-to-board connections (e.g., backplanes)
- BLL 5.08 & SLS / SLT 5.08 for board-to-wire applications (e.g., power supply for actuators)

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	23	20
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		-
General data			
Type of insulation material		PBT GF	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.4 x 1.00	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 23 A
UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

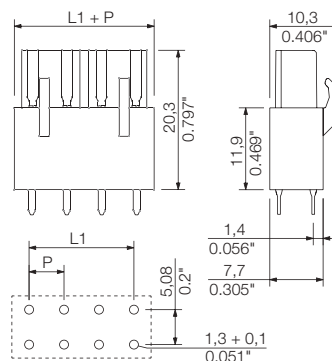
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLL 5.08/./180







Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
 BLZ/SL KO OR BX	1573010000
 BLZ/SL KO BK BX	1545710000
Mounting block	
 SLA BB11R OR	1604120000
 SLA BB11R SW	1692340000

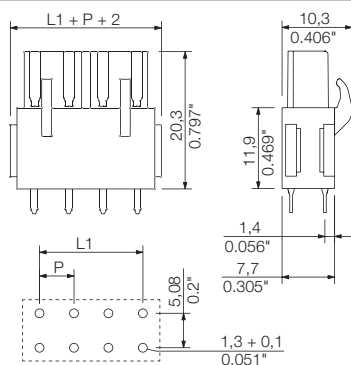
Ordering data

Solder pin length		3.2 mm		
Colour		orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1630710000
3	10.16	0.400	120	1630720000
4	15.24	0.600	90	1630730000
5	20.32	0.800	72	1630740000
6	25.40	1.000	60	1630750000
7	30.48	1.200	48	1630760000
8	35.56	1.400	42	1630770000
9	40.64	1.600	36	1630780000
10	45.72	1.800	36	1630790000
11	50.80	2.000	30	1630800000
12	55.88	2.200	30	1630810000

BLL 5.08/././180B



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm	
Colour		orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	204 1682730000
3	10.16	0.400	108 1682740000
4	15.24	0.600	84 1682750000
5	20.32	0.800	66 1682760000
6	25.40	1.000	54 1682770000
7	30.48	1.200	48 1682780000
8	35.56	1.400	42 1682790000
9	40.64	1.600	36 1682800000
10	45.72	1.800	30 1682810000
11	50.80	2.000	30 1682820000
12	55.88	2.200	24 1682830000





OMNIMATE® Signal PCB connectors Series RSV

OMNIMATE® Signal
PCB connectors Series RSV

Connectors in 5.00 mm pitch
Series RSV

Explanation	M.2
Quick selection	M.4
Product selection	M.6

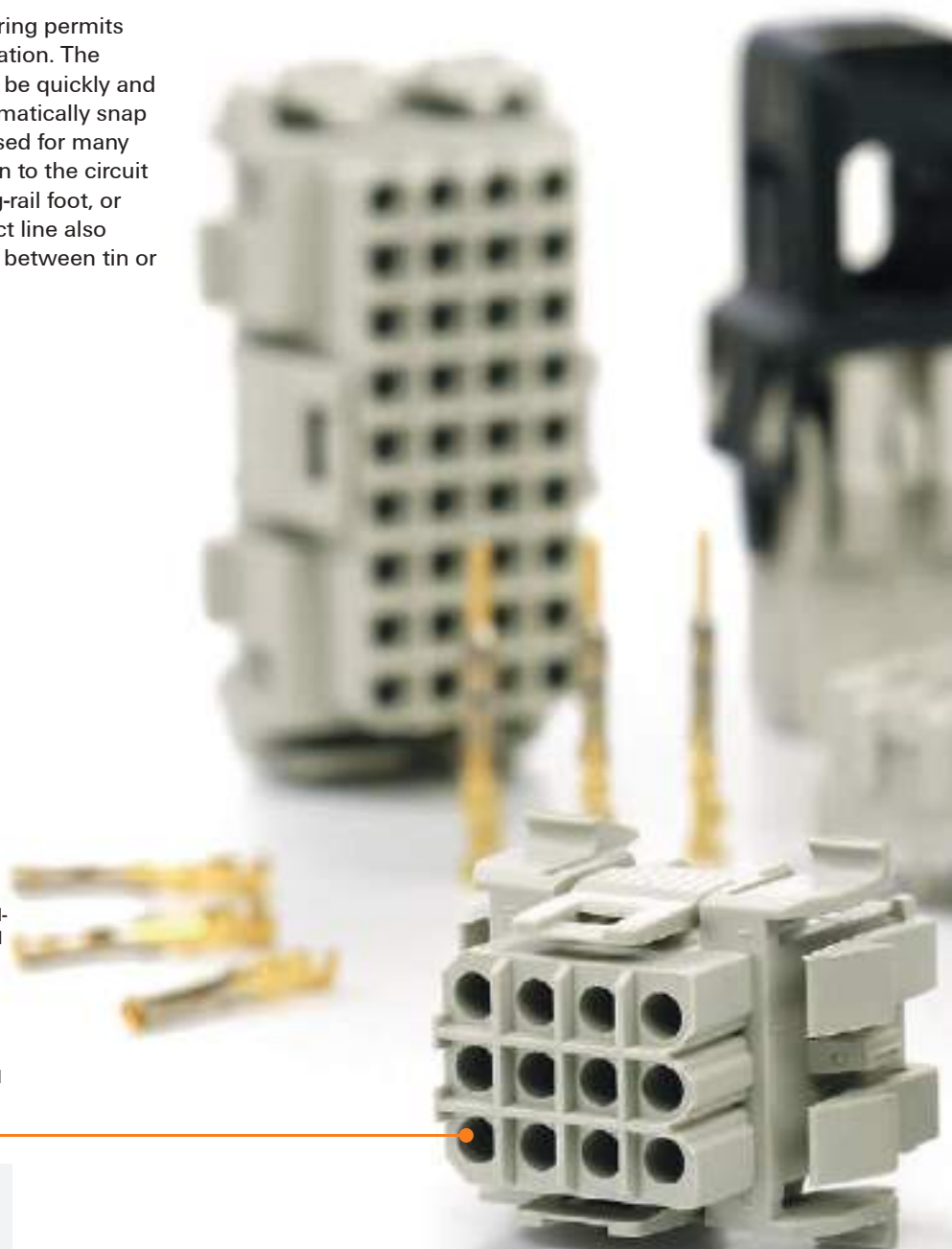
RSV 1.6 CB / CS

Highest flexibility with the highest density

A space miracle for the PCB and the field wiring permits up to 36 contacts to be inserted in one operation. The crimp contacts ensure that the contacts can be quickly and flexibly assembled – their plastic cases automatically snap together when joined. This system can be used for many signalling purposes: whether it is soldered on to the circuit board, mounted on the rail using a mounting-rail foot, or built in to the front of the device. This product line also includes versatile coding elements, a choice between tin or gold surfaces, and snap-on plug hoods.

Versatile system-based wiring

Very versatile assembly: different functions can be combined with different wire cross-sections (from 0.14 mm² to 2.5 mm²). Tin-plated or gold-plated contact surfaces can be custom selected from pole to pole based on your application requirements. This delivers clear cost savings. Higher voltages may require larger clearance gaps between the contacts. This problem can be solved without changing to a different type of connector by simply occupying every second pole.



Also with gold contacts to meet application requirements

Gold-plated contacts are the best solution for very low currents or voltages, such as those used with measurements. Gold surfaces are a reliable safeguard against friction corrosion caused by long-term vibrations. Compared to tin contacts which are rated for 100 plugging cycles, gold-plated contacts have an increased rating of 500 plugging cycles.

Highest component assembly density for 5-mm pitch

Every square mm is crucial on the circuit board. The RSV permit 36 poles to fit in a 5-mm pitch on a 40 mm x 29 mm surface.



<http://www.OMNIMATE.net>

○ = Wire-to-Board	
● = Board-to-Board	
● = Wire-to-Wire	
● = Board-to-Wire	

Series RSV



Levels

Type	Contact surface	Flange options	IEC / UL
------	-----------------	----------------	----------

Female plug	Crimp	Female header	Solder connection	Image	Type	Contact surface	Flange options	IEC / UL
					RSV1.6 CB..	Tin / Gold	(G)	IEC: 630 V/17 A UL: 600 V/10 A/AWG 26 - 12
					RSV1.6 LB.. SN	Tin	(G)/F	IEC: 500 V/14 A UL: 300 V/10 A
					RSV1.6 LB.. AU	Gold	(G)/F	IEC: 500 V/14 A UL: 300 V/10 A

(G)* = Closed (without flange)
F = Flange

* = not included in the article description



Male header	Male plug
 Solder connection	 Crimp



1		1
RSV1.6 LS.. SN	RSV1.6 LS.. AU	RSV1.6 CS..
Tin	Gold	Tin / Gold
(G)/F	(G)/F	(G)
IEC: 500 V/14 A UL: 300 V/10 A	IEC: 500 V/14 A UL: 300 V/10 A	IEC: 630 V/17 A UL: 600 V/10 A/AWG 26 - 12
○	○	●
●		●
	●	●

RSV1.6 LS..



Rectangular plug-in male connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	14	12
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 500
Rated impulse voltage	kV	4	2.5 2.5
UL / CUL (Use Group)		B	C D

Rated voltage			
Rated current			
AWG conductor	AWG	-	
CSA (Use Group)		B	C D
Rated voltage		300	
Rated current		13	
AWG conductor	AWG	-	

General data			
Type of insulation material		PA	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.97	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 500 V / 14 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

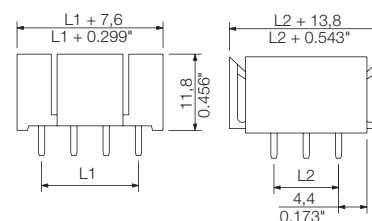
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

RSV1.6 LS.. SN



Dimensioned drawing



Accessories

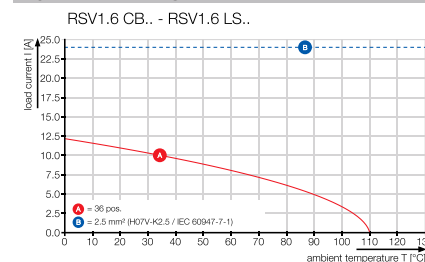
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
●	RSV1,6 KO	1567430000

Ordering data

Solder pin length	3.2 mm			
Colour	Pebble grey			
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440500000
6	10.00	0.394	50	1441500000
9	10.00	0.394	50	1442500000
12	15.00	0.591	25	1443500000
18	25.00	0.984	25	1444500000
24	25.00	0.984	20	1445500000
36	40.00	1.575	10	1446500000

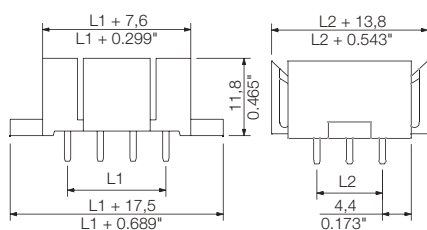
Representative deratings curve



RSV1.6 LSF.. SN



Dimensioned drawing

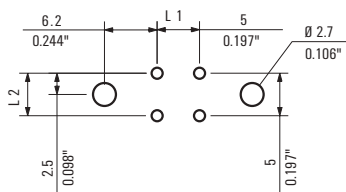


Ordering data

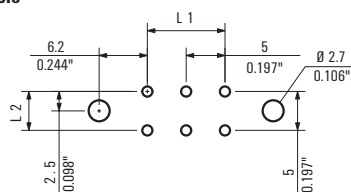
Solder pin length		3.2 mm		
Colour		Pebble grey		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440900000
6	10.00	0.394	50	1441900000
9	10.00	0.394	50	1442900000
12	15.00	0.591	25	1443900000
18	25.00	0.984	25	1444900000
24	25.00	0.984	20	1445900000
36	40.00	1.575	10	1446900000

Drilling diagrams

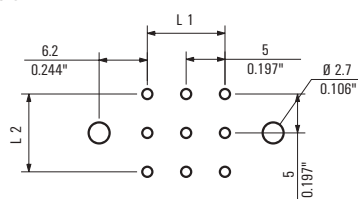
4-pole



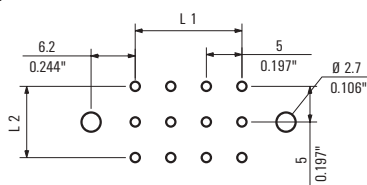
6-pole



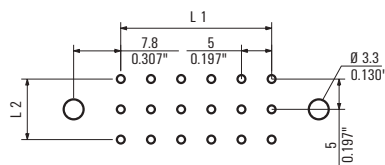
9-pole



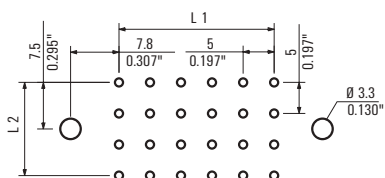
12-pole



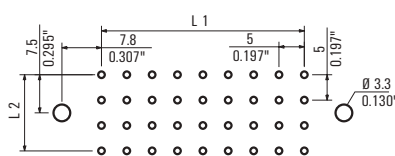
18-pole



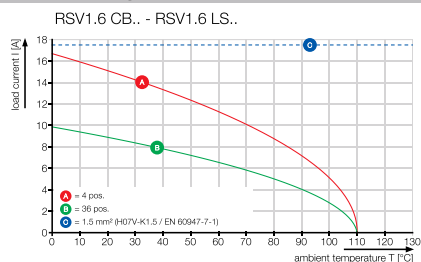
24-pole



36-pole



Additional deratings curves



Connectors in 5.00 mm pitch Series RSV

RSV1.6 LB..



Rectangular plug-in female connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	14	12
At ambient temperature		20°C	40°C
For conductor cross-section			
Overtoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 500
Rated impulse voltage	kV	4	2.5 2.5
UL / CUL (Use Group)	B	C	D
Rated voltage	300		
Rated current	10		
AWG conductor	AWG	-	
CSA (Use Group)	B	C	D
Rated voltage	300		
Rated current	13		
AWG conductor	AWG	-	
General data			
Type of insulation material	PA		
UL 94 flammability rating	V-0		
Contact base material	Copper alloy		
Material of contact surface	tinned		
Pin dimensions = d	mm	0.97	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 500 V / 14 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

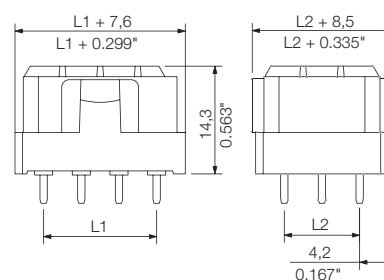
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

RSV1.6 LB.. SN



Dimensioned drawing



Accessories

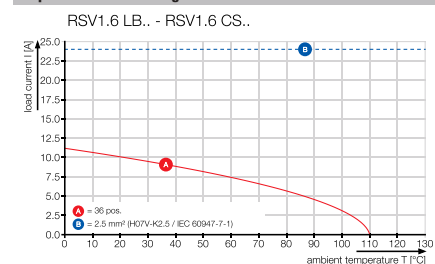
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
RSV1,6 K0	1567430000

Ordering data

Solder pin length		3.2 mm	
Colour		Pebble grey	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
4	5.00	0.197	100 1440300000
6	10.00	0.394	50 1441300000
9	10.00	0.394	50 1442300000
12	15.00	0.591	25 1443300000
18	25.00	0.984	25 1444300000
24	25.00	0.984	20 1445300000
36	40.00	1.575	10 1446300000

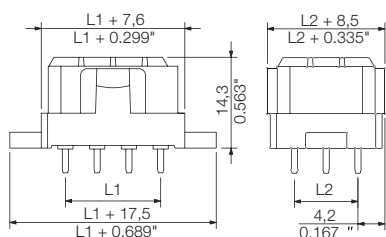
Representative deratings curve



RSV1.6 LBF.. SN



Dimensioned drawing

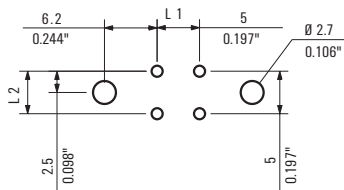


Ordering data

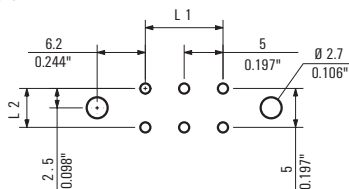
Solder pin length		3.2 mm		
Colour		Pebble grey		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440700000
6	10.00	0.394	50	1441700000
9	10.00	0.394	50	1442700000
12	15.00	0.591	25	1443700000
18	25.00	0.984	25	1444700000
24	25.00	0.984	20	1445700000
36	40.00	1.575	10	1446700000

Drilling diagrams

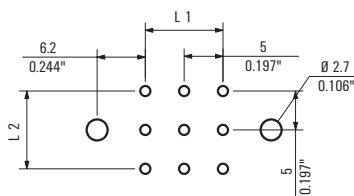
4-pole



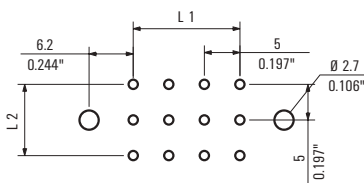
6-pole



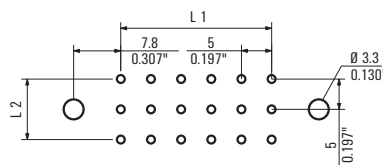
9-pole



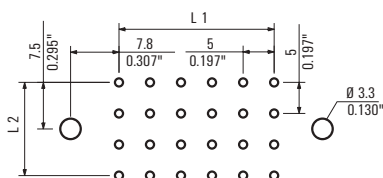
12-pole



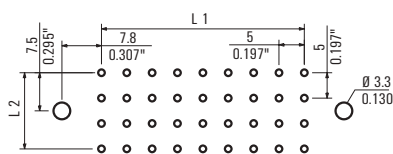
18-pole



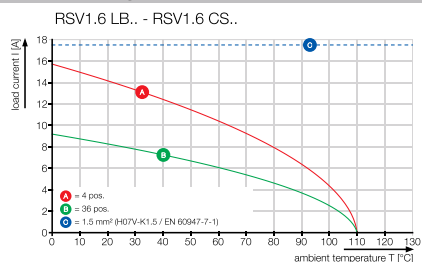
24-pole



36-pole



Additional deratings curves



Connectors in 5.00 mm pitch Series RSV

RSV1.6 LS.. AU



Rectangular plug-in male connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	14	12
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 500
Rated impulse voltage	kV	4	2.5 2.5
UL / CUL (Use Group)		B	C D

Rated voltage			
Rated current			
AWG conductor	AWG		
CSA (Use Group)		B	C D
Rated voltage		300	
Rated current		13	
AWG conductor	AWG	-	

General data			
Type of insulation material		PA	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		Gold-plated	
Pin dimensions = d	mm	0.97	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 500 V / 14 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

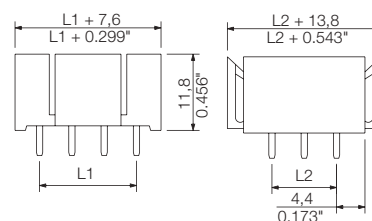
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

RSV1.6 LS.. AU



Dimensioned drawing



Accessories

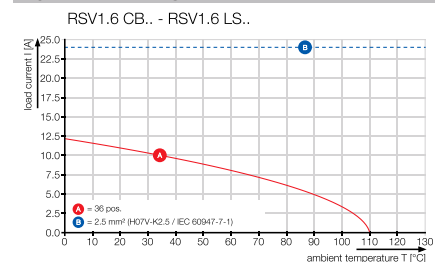
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
●	RSV1,6 KO	1567430000

Ordering data

Solder pin length	3.2 mm			
Colour	Pebble grey			
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440400000
6	10.00	0.394	50	1441400000
9	10.00	0.394	50	1442400000
12	15.00	0.591	25	1443400000
18	25.00	0.984	25	1444400000
24	25.00	0.984	20	1445400000
36	40.00	1.575	10	1446400000

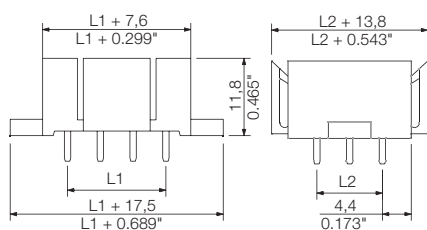
Representative deratings curve



RSV1.6 LSF.. AU



Dimensioned drawing

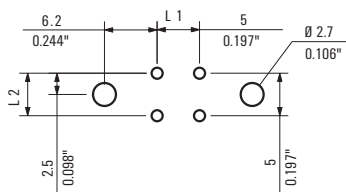


Ordering data

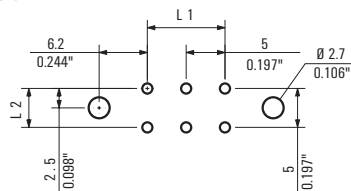
Solder pin length		3.2 mm		
Colour		Pebble grey		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440800000
6	10.00	0.394	50	1441800000
9	10.00	0.394	50	1442800000
12	15.00	0.591	25	1443800000
18	25.00	0.984	25	1444800000
24	25.00	0.984	20	1445800000
36	40.00	1.575	10	1446800000

Drilling diagrams

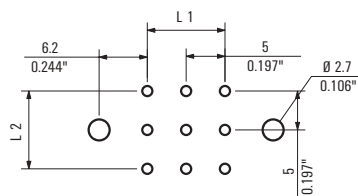
4-pole



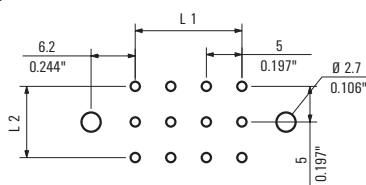
6-pole



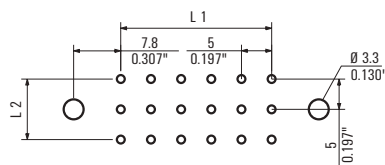
9-pole



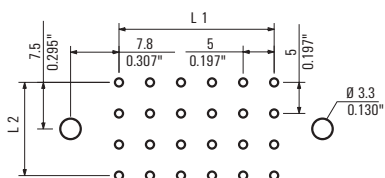
12-pole



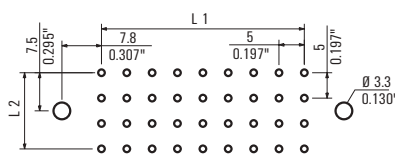
18-pole



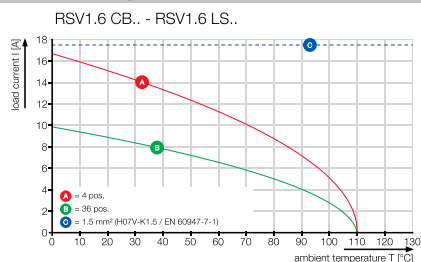
24-pole



36-pole



Additional deratings curves



Connectors in 5.00 mm pitch Series RSV

RSV1.6 LB.. AU



Rectangular plug-in female connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	14	12
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 500
Rated impulse voltage	kV	4	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage		300	
Rated current		10	
AWG conductor	AWG	-	
CSA (Use Group)		B	C D
Rated voltage		300	
Rated current		13	
AWG conductor	AWG	-	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		Gold-plated	
Pin dimensions = d	mm	0.97	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 500 V / 14 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

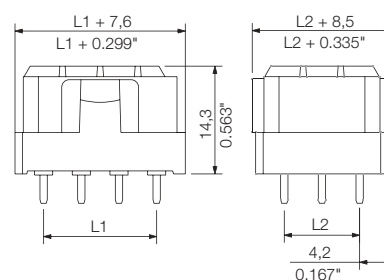
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

RSV1.6 LB.. AU



Dimensioned drawing



Accessories

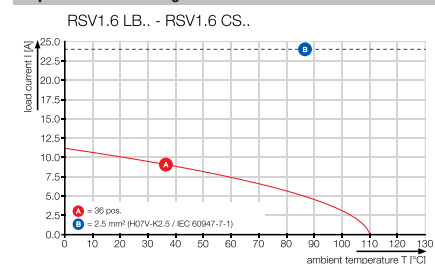
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
RSV1,6 KO	1567430000

Ordering data

Solder pin length	3.2 mm			
Colour	Pebble grey			
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440200000
6	10.00	0.394	50	1441200000
9	10.00	0.394	50	1442200000
12	15.00	0.591	25	1443200000
18	25.00	0.984	25	1444200000
24	25.00	0.984	20	1445200000
36	40.00	1.575	10	1446200000

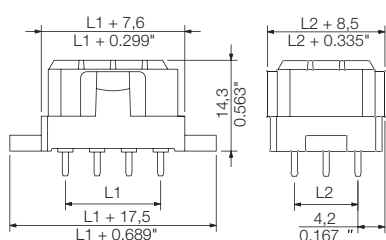
Representative deratings curve



RSV1.6 LBF.. AU



Dimensioned drawing

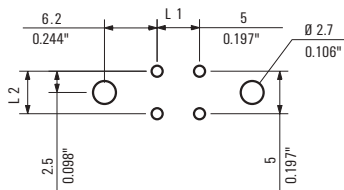


Ordering data

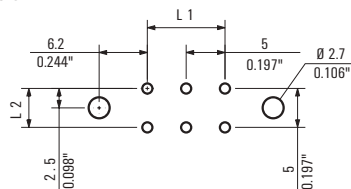
Solder pin length		3.2 mm		
Colour		Pebble grey		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440600000
6	10.00	0.394	50	1441600000
9	10.00	0.394	50	1442600000
12	15.00	0.591	25	1443600000
18	25.00	0.984	25	1444600000
24	25.00	0.984	20	1445600000
36	40.00	1.575	10	1446600000

Drilling diagrams

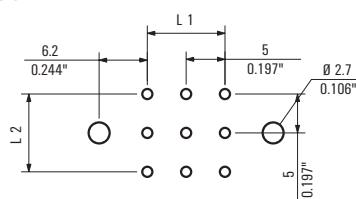
4-pole



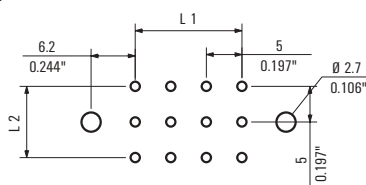
6-pole



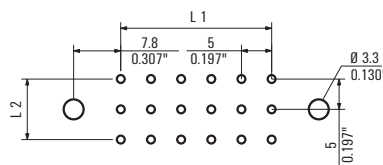
9-pole



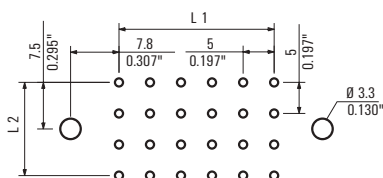
12-pole



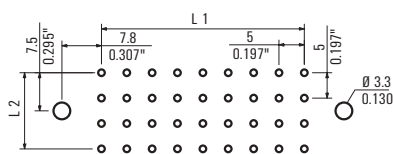
18-pole



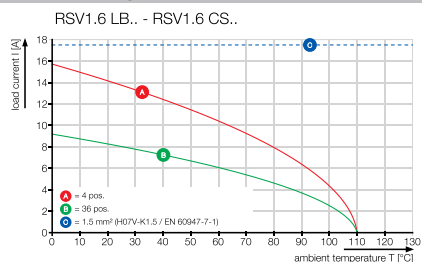
24-pole



36-pole



Additional deratings curves



RSV1.6 CS.. & CB..



Rectangular plug-in connector for use with crimp contacts. Can be used as universal coupling, but also with the PCB variations. The crimp contacts guarantee a high connection density. The CS 1.6 or CB 1.6 contacts are used here. The connectors can be coded and locked together with their mates. Supplied in cardboard box.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U			
Stranded H07 V-R	mm ²	0.2...2.5	
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length	mm	4	
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	17	15
At ambient temperature	20°C	40°C	
For conductor cross-section		III	III II
Overvoltage category	V	250	400 630
Pollution severity		3	2 2
Rated voltage	V	250	400 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage			
Rated current			
AWG conductor	AWG		
CSA (Use Group)		B	C D
Rated voltage		600	
Rated current		13	
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface			
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 630 V / 17 A
UL: 600 V / 10 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmuller.com

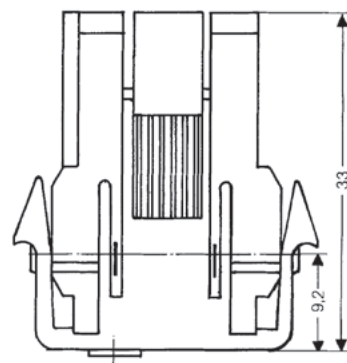
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated cross-section depends on crimp contact used.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Max. outer diameter of the cable (with insulation): 3.5 mm

RSV1.6 CS..



Dimensioned drawing



Ordering data

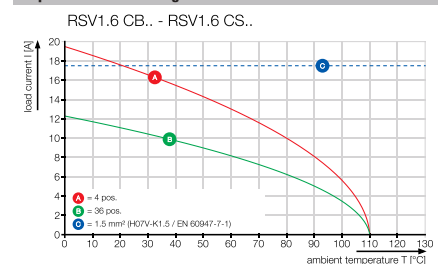
Solder pin length					
Colour					Pebble grey
Pitch	5.00 mm		Qty.	Order No.	
Pol.	L1	(inch)	25	1413100000	
4	5.00	0.197	25	1413100000	
6	10.00	0.394	25	1414100000	
9	10.00	0.394	25	1415100000	
12	15.00	0.591	25	1416100000	
18	25.00	0.984	25	1417100000	
24	25.00	0.984	20	1418100000	
36	40.00	1.575	10	1419100000	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Release tool	DW RSV 1.6	9004530000
Pressing tool	HTF RSV 16	9013560000
Clip-in foot	RSV1,6 RF12/35X15 SW	1690140000
	RSV1,6 RF12/35X7.5 SW	1582940000
	RSV1,6 RF18/35X15 SW	1690150000
	RSV1,6 RF18/35X7.5 SW	1582950000
	RSV1,6 RF24/35X15 SW	1690160000
	RSV1,6 RF24/35X7.5 SW	1582960000
	RSV1,6 RF36/35X15 SW	1690170000
	RSV1,6 RF36/35X7.5 SW	1582970000
	RSV1,6 RF4/35X15 SW	1690110000
	RSV1,6 RF4/35X7.5 SW	1582910000
	RSV1,6 RF6/35X15 SW	1690120000
	RSV1,6 RF6/35X7.5 SW	1582920000
	RSV1,6 RF9/35X15 SW	1690130000
	RSV1,6 RF9/35X7.5 SW	1582930000
Strain relief	RSV1,6 ZE12 BK BX	1563300000
	RSV1,6 ZE18 BK BX	1563200000
	RSV1,6 ZE24 BK BX	1563100000
	RSV1,6 ZE36 BK BX	1563000000
	RSV1,6 ZE04 BK BX	1563600000
	RSV1,6 ZE06 BK BX	1563500000
	RSV1,6 ZE09 BK BX	1563400000
Coding	RSV1,6 KO	1567430000

Representative deratings curve

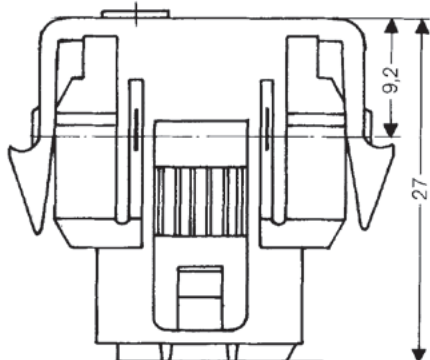


RSV1.6 CB..

Mounting cutout

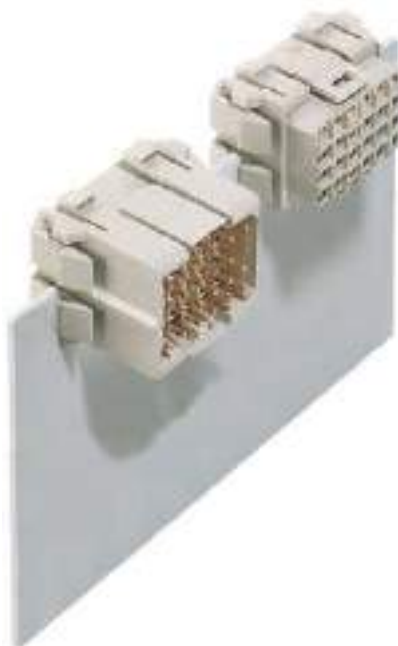


Dimensioned drawing

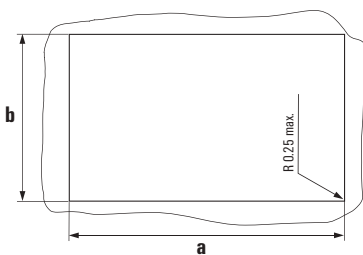


Ordering data

Solder pin length				
Colour				Pebble grey
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	25	1413000000
6	10.00	0.394	25	1414000000
9	10.00	0.394	25	1415000000
12	15.00	0.591	25	1416000000
18	25.00	0.984	25	1417000000
24	25.00	0.984	20	1418000000
36	40.00	1.575	10	1419000000



- Spring clips ensure firm hold in enclosure wall



Mounting cutout for enclosure RSV 1.6
Wall thickness 1.5...2.0 mm

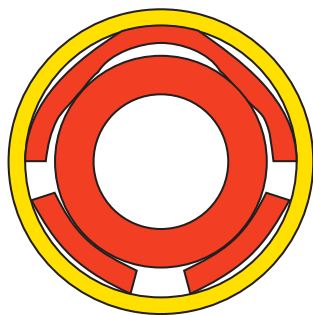
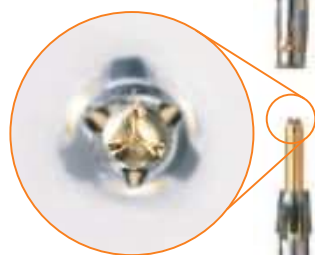
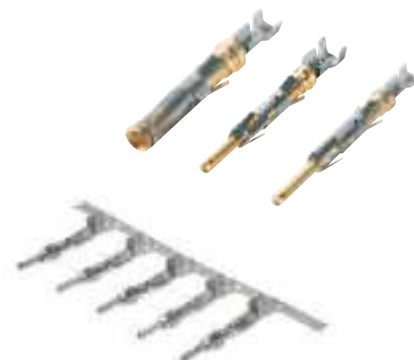
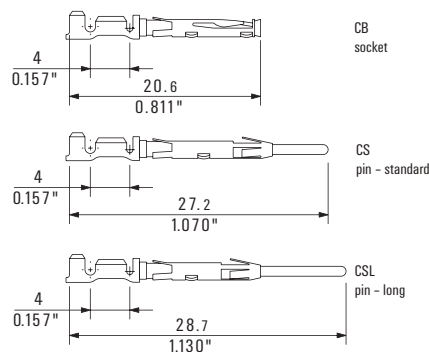
No. of poles	Dim. a (mm)*	Dim. b (mm)*
4	20.3	17.8
6	25.1	18.1
9	25.1	24.0
12	30.0	24.0
18	40.5	24.0
24	40.5	28.3
36	55.5	28.3

*) Tolerance: +0.3 mm

Contact system CB 1.6 / CS 1.6

CB 1.6 / CS 1.6

Crimp contacts



Ordering data

Tinned contacts			
For cable size mm ²	AWG	Insulation diameter mm	
0.14 - 0.25	26 - 24	0.8 - 1.4	pin - standard
			pin - long
			socket
0.34 - 0.5	22 - 20	1.1 - 1.8	pin - standard
			pin - long
			socket
0.34 - 0.5	22 - 20	2.0 - 2.5	pin - standard
			pin - long
			socket
0.75 - 1.5	18 - 16	2.0 - 2.5	pin - standard
			pin - long
			socket
0.75 - 1.5	18 - 16	2.0 - 3.5	pin - standard
			pin - long
			socket
2.5	14 - 12	2.8 - 3.5	pin - standard
			pin - long
			socket
2.5	14 - 12	2.8 - 4.2	pin - standard
			pin - long
			socket

Separate contacts		Cont. on a strip	
Order No.	Qty.	Order No.	Qty.
1421600000	250	1421500000	5000
1421700000	250	1565900000	5000
1421900000	250	1421800000	5000
1423600000	250	1423500000	5000
1423700000	250	1565870000	5000
1423900000	250	1423800000	5000
1425600000	250	1425500000	5000
1425700000	250	1565840000	5000
1425900000	250	1425800000	5000
1427600000	250	1427500000	5000
1427700000	250	1565810000	5000
1427900000	250	1427800000	5000
1582270000	250	1582280000	3000
1582350000	250	1582360000	3000
1582430000	250	1582440000	3000
1429600000	250	1429500000	3000
1429700000	250	1565780000	3000
1429900000	250	1429800000	3000
1582310000	250	1582320000	3000
1582390000	250	1582400000	3000
1582470000	250	1582480000	3000

Ordering data

Tinned contacts			
For cable size mm ²	AWG	Insulation diameter mm	
0.14 - 0.25	26 - 24	0.8 - 1.4	Stift - standard
			pin - long
			socket
0.34 - 0.5	22 - 20	1.1 - 1.8	Stift - standard
			pin - long
			socket
0.34 - 0.5	22 - 20	2.0 - 2.5	Stift - standard
			pin - long
			socket
0.75 - 1.5	18 - 16	2.0 - 2.5	Stift - standard
			pin - long
			socket
0.75 - 1.5	18 - 16	2.0 - 3.5	Stift - standard
			pin - long
			socket
2.5	14 - 12	2.8 - 3.5	Stift - standard
			pin - long
			socket
2.5	14 - 12	2.8 - 4.2	Stift - standard
			pin - long
			socket

Separate contacts		Cont. on a strip	
Order No.	Qty.	Order No.	Qty.
1420600000	250	1420500000	5000
1420700000	250	1565880000	5000
1420900000	250	1420800000	5000
1422600000	250	1422500000	5000
1422700000	250	1565850000	5000
1422900000	250	1422800000	5000
1424600000	250	1424500000	5000
1424700000	250	1565820000	5000
1424900000	250	1424800000	5000
1426600000	250	1426500000	5000
1426700000	250	1565790000	5000
1426900000	250	1426800000	5000
1582250000	250	1582260000	3000
1582330000	250	1582340000	3000
1582410000	250	1582420000	3000
1428600000	250	1428500000	3000
1428700000	250	1565760000	3000
1428900000	250	1428800000	3000
1582290000	250	1582300000	3000
1582370000	250	1582380000	3000
1582450000	250	1582460000	3000

- Safe centring of the contacts using the three-segment pin tips
- 4 defined contact points ensure high contact stability
- Lugs in the enclosing steel spring ensure the contact engages securely in the housing
- Pin contacts with two lengths to implement leading-pin contacts
- Up to 100 plugging cycles (tin version)
- Up to 500 plugging cycles (gold version)

OMNIMATE® Signal Accessories

OMNIMATE® Signal Accessories	Strain relief	N.2
	Snap-on foot	N.3
	Covers	N.4
	Lock / Fixing blocks	N.5
	Light guides	N.8
	Coding elements	N.10
	Dividing element	N.11
	Test plug	N.12
	Identification systems	N.13
	Crimping tools	N.14
	Disengaging tool / Removal tool	N.15
	Screwdrivers	N.16

Strain relief

BL 3.50 ZE
BLZF 3.50 ZE

Strain relief



- Supports and protects the cable connections when removing the plug-in connector and during normal operation.
- Helpful when inserting and removing plug-in connector.

BLZ 5.00 ZE
BLZ 5.08 ZE

Strain relief



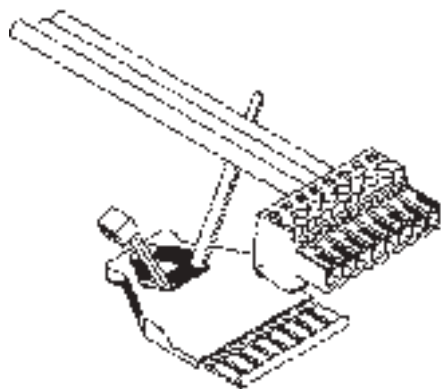
- Supports and protects the cable connections when removing the plug-in connector and during normal operation.
- Helpful when inserting and removing plug-in connector.

BLT ZE

Strain relief



- Supports and protects the cable connections when removing the plug-in connector and during normal operation.
- Helpful when inserting and removing plug-in connector.



Ordering data

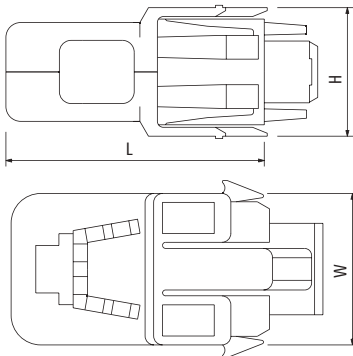
Colour		Orange	Black
No. of poles	Qty.	Order No.	Order No.
from 3	50	1629680000	1627820000
from 8	50	1629690000	1627830000

Ordering data

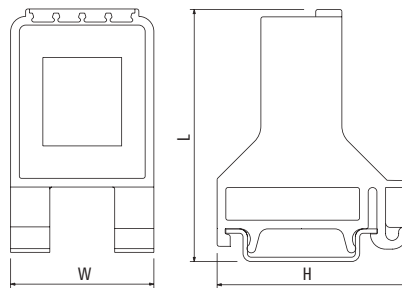
Colour			Orange	Black
No. of poles	Pitch (mm)	Qty.	Order No.	Order No.
from 4	5,00	50	1652100000	
from 8	5,00	50	1652040000	1652060000
from 4	5,08	50	1652110000	1652130000
from 8	5,08	50	1652050000	1652070000

Ordering data

Colour		Orange
No. of poles	Qty.	Order No.
from 4	50	1577980000
from 9	50	1578010000

RSV ZE**Strain relief****Ordering data**

Pole	W (mm)	L (mm)	H (mm)	Qty.	Order No.
4	20,50	39,00	22,20	10	1563600000
6	25,50	44,00	22,40	10	1563500000
9	25,50	44,00	28,40	10	1563400000
12	33,00	51,50	28,60	10	1563300000
18	40,00	58,50	28,60	10	1563200000
24	40,00	58,50	28,60	10	1563100000
36	55,00	73,50	32,60	10	1563000000

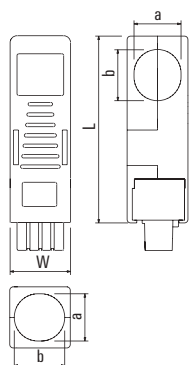
RSV RF**Snap-on foot for terminal rail****Ordering data**

Snap-on foot for TS 35 x 7.5					Black
Pole	W (mm)	L (mm)	H (mm)	Qty.	Order No.
4	32,90	58,90	43,70	10	1582910000
6	32,90	58,90	43,70	10	1582920000
9	32,90	58,90	43,70	10	1582930000
12	32,90	58,90	43,70	10	1582940000
18	37,30	83,40	43,70	10	1582950000
24	37,30	83,40	43,70	10	1582960000
36	37,30	83,40	43,70	10	1582970000

Snap-on foot for TS 35 x 15					
Pole	W (mm)	L (mm)	H (mm)	Qty.	Order No.
4	32,90	65,40	43,70	10	1690110000
6	32,90	65,40	43,70	10	1690120000
9	32,90	65,40	43,70	10	1690130000
12	32,90	65,40	43,70	10	1690140000
18	37,30	90,90	43,70	10	1690150000
24	37,30	90,90	43,70	10	1690160000
36	37,30	90,90	43,70	10	1690170000

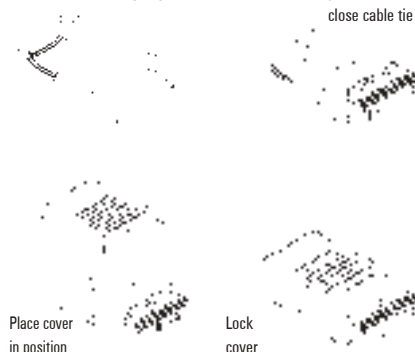
B2L 3.50 AH

Cover



Insert cable tie in the desired outgoing direction

Place wired socket connector in position and close cable tie

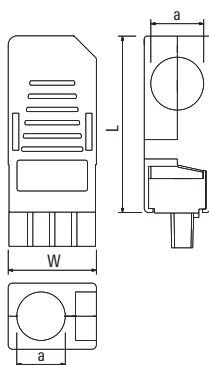


Ordering data

Pole	W (mm)	L (mm)	a (mm)	b (mm)	Qty.	Order No.
6	10,50	39,80	9,55	8,00	10	1781560000
8	14,00	39,80	9,55	8,00	10	1781570000
10	17,50	39,80	13,60	9,00	10	1781580000
12	21,00	39,80	13,60	9,00	10	1781590000
14	24,50	39,80	13,60	20,00	10	1781600000
16	28,00	39,80	13,60	20,00	10	1781610000
18	31,50	53,80	13,60	20,00	10	1781620000
20	35,00	53,80	13,60	20,00	10	1781630000
22	38,50	53,80	13,60	20,00	10	1781640000
24	42,00	53,80	13,60	20,00	10	1781650000
26	45,50	53,80	13,60	20,00	10	1781660000

BL 3.50 AH

Cover

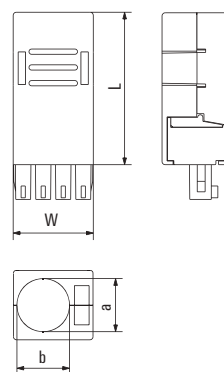


Ordering data

Pole	W (mm)	L (mm)	a (mm)	b (mm)	Qty.	Order No.
2	-	-	-	-	-	-
3	10,50	30,00	8,50	-	10	1745580000
4	14,00	30,00	8,50	-	10	1745590000
5	17,50	30,00	8,50	-	10	1745600000
6	21,00	30,00	8,50	-	10	1745610000
7	24,50	40,00	11,00	-	10	1745620000
8	28,00	40,00	11,00	-	10	1745630000
9	31,50	40,00	11,00	-	10	1745640000
10	35,00	40,00	11,00	-	10	1745650000
11	38,50	40,00	11,00	-	10	1745660000
12	42,00	40,00	11,00	-	10	1745670000

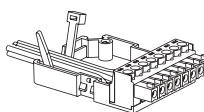
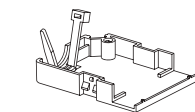
BCZ 3.81 AH

Cover



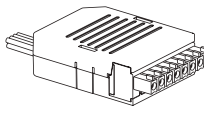
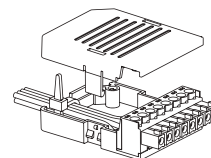
1 Insert cable tie in the desired outgoing direction.

2 Place wired socket connector in position and close cable tie.



3 Place cover in position

4 Lock cover



Ordering data

Pole	W (mm)	L (mm)	a (mm)	b (mm)	Qty.	Order No.
2	-	-	-	-	-	-
3	11,43	29	10	10	10	1005280000
4	15,24	29	10	10	10	1005290000
5	19,05	29	10	10	10	1005300000
6	22,86	29	10	10	10	1005310000
7	26,67	39	10	12,5	10	1005320000
8	30,48	39	10	12,5	10	1005330000
9	34,29	39	10	12,5	10	1005340000
10	38,1	39	10	13	10	1005350000
11	41,91	39	10	13,8	10	1005360000
12	45,72	39	10	14,6	10	1005370000